

ALLIES AGREE  
ON ALL POINTS  
IN MEETING ON  
DAWES PLANCompromise Made by Mac-  
Donald and Herriot on  
Technical Point That  
Had Delayed Settlement.PROTOCOL WILL  
SPECIFY METHODNews of Agreement Causes  
Rally in Foreign Ex-  
change and Bonds in  
New York.

By the Associated Press.

LONDON, Aug. 2.—A complete  
agreement for launching the Dawes  
reparation settlement plan was  
reached today by the Inter-Allied  
Conference during a half hour  
private session at the Foreign Of-  
fice this morning.The allied Premiers and Ameri-  
can Ambassador Kellogg took up  
the technical point with which the  
agreement had been delayed, and after  
modifications which Premiers Mac-  
Donald and Herriot accepted, the  
agreement was reached.When the agreement was  
reached, the experts, including the  
Americans, James A. Logan and  
Owen D. Young, and Mr. Frazier  
of Great Britain, who have slept  
little during the last 48 hours, left  
the conference room and the chief  
delegates began framing the invita-  
tions for the German Govern-  
ment to send a delegation to Lon-  
don.

Note Sent to Berlin.

Prime Minister MacDonald later  
sent to the German Embassy the  
invitation to the German Govern-  
ment.The Embassy dispatched the in-  
vitation to Berlin immediately.  
MacDonald having expressed the  
hope that the German delegation  
might be able to arrive in London  
on Monday.Meanwhile the conference will  
take a recess, with the exception  
of the jurists' committee, which  
are drafting the results of the for-  
mer's work so that the document  
can be submitted to the Ger-  
mans.The conference will enter its  
final phase with the arrival of the  
German, who will be asked to ex-  
press their opinion on the pro-  
gram for putting the Dawes scheme  
into operation. After the Germans  
have been heard, a protocol em-  
bodying the program will be signed  
by the Allies and the Germans. It  
is expected, and then the Repara-  
tion Commission will make its ap-  
pointments and set up the organi-  
zation necessary for the Dawes  
scheme.The plenary session adopted the  
report of the first committee of ex-  
perts dealing with defaults and  
penalties. It also adopted the re-  
port of the third committee, per-  
taining to reparation transfers.The fate of the conference hung  
on this latter committee through-  
out the early hours of this morning.  
Experts passed the problem along  
to the plenary table where the chief  
delegates worked out a compromise.The report of the second com-  
mittee of experts dealing with the  
financial and economic unity of Ger-  
many had been adopted at a previ-  
ous plenary session.According to the London corre-  
spondent at the Havas Agency, the  
agreement on the technical point  
which had delayed a settlement  
provides that arbitration shall be  
resorted to if only one member of  
the transfer committee to be set  
up under the Dawes plan disagrees  
in case of fraudulent financial  
maneuvers by Germany.By the Associated Press.  
NEW YORK, Aug. 2.—The Al-  
lied agreement for settlement of  
the reparations problem caused a  
sharp rally in the foreign ex-  
change and foreign bonds at the open-  
ing of today's market.Demand sterling mounted to a  
new high price for the year at  
\$4.47, an overnight gain of more  
than 2 cents, and almost that much  
more in the previous 1934 top reached  
on July 22. French franc re-  
sponded with a 10 point advance,  
closing at 8.25 cents. Foreign ex-  
change dealers reported spirited  
trading, with buying orders for the  
Allied currencies steadily increas-  
ing in volume.

Domestic stocks also advanced.

TEN YEARS AGO TODAY  
EUROPE TOOK DECISIVE  
PLUNGE INTO GREAT WARTHE Post-Dispatch of Aug.  
2, 1914, reported the follow-  
ing events then embroiling  
Europe:Germany declared war upon  
Russia. Emperor William is  
sued an official statement say-  
ing he had tried to act as me-  
diator between Austria-Hungary  
and Russia and had protested  
to the Czar against the equip-  
ment of Russian troops; all of  
no avail. Declaration of war  
followed an ultimatum to Rus-  
sia which had expired at noon  
on Aug. 1.Austria-Hungary seemed  
equally to have ignored the  
tender of mediation, as ap-  
peared in a telegram of July  
30 from Von Bethmann-Holl-  
weg, the German Chancellor, to  
the German Ambassador in Vi-  
enna, saying refusal to exchang-  
e views with St. Petersburg would  
be a great mistake, and Ger-  
many must refuse to be drawn  
into a world conflagration, ow-  
ing to Austria-Hungary not  
respecting German advice.Italy declared that her atti-  
tude would be neutral, inform-  
ing the German Ambassador  
that the obligation of the Trip-  
Alliance (Germany, Austria and  
Italy) to act together in defi-  
ensive operations did not apply to  
the situation.The Council of Ministers in  
Paris, following discussions with  
the German Ambassador, or-  
dered mobilization of the  
French army.American tourists from all  
over Europe were flocking to  
the German Ambassador, or-  
dered mobilization of the  
French army.American tourists from all  
over Europe were flocking to  
the German Ambassador, or-  
dered mobilization of the  
French army.12 OF AN INCH OF RAIN  
FALLS IN 5 MINUTESMany Persons Caught in Morn-  
ing Downpour—Audience of  
Opera Routed Last Night.Showers last night, starting at  
10:40 o'clock, and a heavy rain this  
morning gave a precipitation of .73  
of an inch, up to 9:30 a. m. The  
heaviest fall came when many per-  
sons were going to work, between  
8 and 8:05 a. m., with a precipita-  
tion of .12 of an inch.Temperature dropped from 77  
degrees at 9 o'clock last night to  
70 at 9 a. m. today, but half an  
hour after the latter time the mer-  
cury had climbed up to 73.The morning rain had the usual  
effect on River des Peres, making  
that fluctuating stream bankful in  
Forest Park. At the point on Clay-  
ton road where St. Louis, Rich-  
mond Heights and Clayton meet,  
the highway was covered with a  
pool of water nearly two feet deep,  
which stalled several automobiles.The city street is higher than the  
suburban section and the depres-  
sion often causes a miniature flood.A rise of several feet is coming  
down the Meramec River, which  
threatens to take away part of the  
pleasure of swimming in that  
stream tomorrow. It was at nor-  
mal stage at Valley Park, but a  
rise of 4.9 feet at Pacific in the  
24 hours ending at 7 a. m. brought  
the river within about four feet of  
low banks.After the Municipal Theater's  
fireworks had cannonaded the sky  
without drawing return fire for  
four nights, the surprise attack of  
the elements at 10:40 last night  
put the large audience and the  
stage ballet to flight. The battery  
of skyrockets and Roman candles  
was overwhelmed, and could not  
even attempt reprisals. Two more  
performances of "The Beggar Prin-  
cess" remain, and the season closes  
tomorrow night.Furniture  
Pianos  
TypewritersBig savings are possible in  
these and many other neces-  
sities.A group of enterprising peo-  
ple are offering today a few of the  
classified columns of the Post-  
Dispatch a few of the best of the  
innumerable bargains they have  
to offer."For Sale" is the classifica-  
tion used today and every day, if  
there is anything that you desire  
among the advertisements in to-  
day's paper, or if it is something  
special which is not advertised, insert an ad-  
vertisement of your own in

## The Post-Dispatch

St. Louis One Big Want Directory  
Twelfth St. and Olive St.CROWE ATTACKS  
CREDIBILITY OF  
DEFENSE ALIENIST  
IN FRANKS CASEProsecutor Says Dr. White's  
Original Report Described  
Youthful Slayers as In-  
sane.NOW SAYS LOEB  
WAS "MENTALLY ILL"Sharp Sparring Match Be-  
tween Witness and the  
State's Attorney Devel-  
ops at Court Session.

By the Associated Press.

CHICAGO, Aug. 2.—A direct at-  
tack on the credibility of Dr. Wil-  
liam A. White, head of the Govern-  
ment Hospital for the Insane at  
Washington, was made in Judge  
Caverly's Court today by State's  
Attorney Crowe, who cross-exam-  
ined the doctor on his testimony in  
defense of Nathan Leopold, Jr., and  
Richard Loeb.The attack developed in a short-  
ened half day session when the  
prosecutor asked Dr. White to pro-  
duce the "original report" he had  
made to attorneys for the defense.  
It was stated flatly by Crowe, over  
objections that came hurriedly  
from Attorneys Clarence S. Darrow  
and Walter Bachrach, that the re-  
port held the defendants insane  
rather than mentally sick.Court's Suggestion.  
Judge Caverly suggested that  
since the question of insanity was  
barred from the present proceed-  
ings, the report might not be com-  
petent.Crowe, "if that report shows that  
for \$250 a day this witness has  
found these boys insane and then  
for the same fee now holds them  
only mentally sick, I believe your  
honor will give less weight to his  
opinions."Another refusal of the report by  
the defense caused Crowe to say  
he was satisfied to "let the matter  
rest right there."Loeb was "mentally ill" on May 21,  
1934, when he and Nathan Leopold  
Jr. kidnapped and murdered Robert  
Frank, it was testified on cross-  
examination today by Dr. White.Judge Caverly sustained an ob-  
jection by Bachrach when Crowe  
tried to learn whether the expert  
thought Loeb was insane.The same opinion was given as  
to Leopold.The session developed a sharp  
sparring match between the wit-  
ness and prosecutor. Sometimes  
Crowe's questions elicited a smile  
from the doctor, again he com-  
plained they were meaningless and  
at other times insisted upon going  
into lengthy explanations when the  
State's Attorney asked for "yes or  
no answer.""That is impossible to give," was  
Dr. White's usual response to such  
attempts to pin him down.Crowe once asked if the doctor  
thought Loeb had "dementia  
praecox, yes or no."If he can't answer yes or no, let  
him answer as he pleases," said  
Judge Caverly."Is dementia praecox legal in-  
sanity?" asked Crowe."That is for you lawyers to say,"  
retorted the doctor over the "ob-  
jection-sustained" that came from  
Bachrach and the court simultane-  
ously.Asked About Definitions.  
The questioning went into the  
doctor's definitions of such things  
as "depravity" and "moral insan-  
ity" and the distinction between  
right and wrong. The doctor said  
"depravity" was a moral term, not  
a psychiatric word at all. He told  
Crowe the latter knew as well as  
the witness what the word signi-  
fied and the prosecutor retorted:  
"And you know as well as I  
what moral insanity is.""You say that Loeb and Leopold  
are mentally sick but you will not  
say they are legally insane," said  
the State's Attorney. "Does the fact  
that their lawyers desire them to  
appear here in just that light, cause  
you to back away from an expres-  
sion of opinion on that?"A sustained objection blocked  
any answer to this insinuation.  
"Can Loeb distinguish between  
right and wrong?" was another  
question that caused a deal of  
sparring as to the "sense" in which  
it was meant, whether "ordinarily"  
or "legally.""What is right?"  
"I would like to know," was the  
cryptic reply.Did Loeb know on May 21 that  
Continued on Page 2, Column 2.BOY, LOST 4 DAYS  
IN WOODS, FOUND;  
LIVED ON BERRIESWalter Toretzky, 7, Staggered  
Into Camp in Michigan For-  
est, Weak and Dazed.By the Associated Press.  
BALDWIN, Mich., Aug. 2.—  
Weak and dazed from 97 hours of  
wandering through dense forests  
and over hills, with nothing to eat  
but huckleberries, Walter Toretz-  
sky, 7 years old, of Chicago, who  
had been lost in Eden forest in  
Northern Lake County since Mon-  
day afternoon, staggered into the  
huckleberry camp of Raymond  
Hullinger of Pentwater, Mich., late  
today and an hour later was re-  
stored to his mother.For four days he had been wan-  
dering within reach of hundreds  
of searchers but owing to the wild  
and tangled growth had been un-  
able to reach help. The lad was in  
a pitiful condition when found.  
His clothing was stained from two  
heavy rains, one of them almost a  
cloudburst, and his clothes had  
dried during his travels in the two  
days following. His legs were  
badly scratched and his feet torn  
from the rough grass and stubble  
for he had lost his shoes and  
stockings. His face was a mass of  
blue from huckleberries which had  
constituted his sole article of food  
during four days and he was so  
weak and exhausted that when  
placed in his mother's arms he  
could only faintly rasp, "Water."  
A doctor said that unless pneu-  
monia sets in, the boy will survive  
the ordeal without ill effects.CARGO OF LIQUOR REPORTED  
LANDED BY SUBMARINEU. S. Attorney at Boston Gets In-  
formation of Smuggling at  
Buzzard's Bay.By the Associated Press.  
BOSTON, Aug. 2.—United States  
Attorney Harris today had a report  
that a submarine had landed a  
cargo of liquors in Buzzard's Bay,  
somewhere in the vicinity of New  
Bedford. He said his informant  
told him the cargo consisted of  
German beer and French cham-  
pagne. Harris and other officials  
here said they were inclined to  
doubt the report.NEGRO DRIVER HELD AFTER  
DEATH OF PEDESTRIAN\$20,000 Bond Set for John Smith,  
Who Struck Three  
Negroes.John Smith, a negro, 32 years  
old, of 3702 Rutger street, was  
held for criminal carelessness by  
Deputy Coroner Devor today, under  
a \$20,000 bond, at the close of the  
inquest into the death of William  
Jamison, 24, a negro, of 1725 Texas  
avenue, who was struck by an au-  
tomobile driven by Smith at Ewing  
and Chouteau avenues July 12.  
Jamison died yesterday at City  
Hospital No. 2.The testimony showed that Smith  
was driving 40 miles an hour past  
another machine when he struck  
Jamison and two other negroes and  
crashed into two other machines.  
The injuries of the other two were  
not serious.

## Free Band Concert Tonight.

Falkenberg's Band, at Lafay-  
ette Park, 7:30 to 10 o'clock.In Tomorrow's Sunday  
Post-DispatchAnother of Those "Poor"  
Wendell Smith Is to Marry an  
Earl—How Mrs. Jacob Wen-  
dell, with an income of  
\$13,000 a year, placed her  
daughters in English society  
and saw Miss Wendell be-  
come the wife of the Earl of  
Carnarvon, while Miss Phil-  
ippa recently has announced  
her engagement to the Earl of  
Galloway."But I'm Not Dead at All!"  
Said 15-Year-Old Woody Hinton,  
Turning Up at His Own  
Funeral—Woody, like Tom  
Sawyer, surprised the home  
folks by waking into the cen-  
tery where he was sup-  
posedly being buried. Through  
a quick identification his  
parents had held services for  
another boy.Ex-Crown Prince of Saxony  
Enters Monastery to Forget  
His Mother's Tragic Past—  
The strange story of Princess  
Louisa is recalled to furnish  
explanation why handsome  
Prince George should retire  
to an abbey in the Black For-  
est and become a monk.The Woman Acting Mayor Who  
ACTED AS MAYOR FOR 100  
of police refused to fire chief  
efficient policemen, she fired  
him. And the real mayor,  
2000 miles away, started  
home that day. But much  
happened, meantime.The Great Chalice of Antioch,  
Earliest Relic of Christ and  
the Apostles—Found in un-  
derground chambers in An-  
tioch, by Arabs who were  
digging a cellar, this beauti-  
ful vessel is believed to date  
from 70 A. D. and an  
ancient cup of plain silver may  
be the Holy Grail itself.Order Your Copy  
TodaySTRODTMAN FOR  
FRED GEHNER FOR  
OFFICE OF SHERIFFIncumbent Says North St.  
Louisian Is Better Man  
for Job Than Either  
Schuler or McKelvey.FEES ONE OF THE  
ISSUES IN CONTESTBig Expenditures of City  
Marshal and Director of  
Public Safety Pointed To  
as Cause of Suspicion.George W. Strodtman, Sheriff  
of St. Louis and former chairman  
of the Republican City Committee,  
has announced in postcards to  
friends that he is supporting Fred  
Gehner for the Republican nomi-  
nation for Sheriff. Today he said  
that one of the principal reasons  
he is for Gehner is that "huge  
sums of money" are being spent in  
the campaigns of Director of Pub-  
lic Safety J. N. McKelvey and City  
Marshal Anton Schuler, opponents  
of Gehner."To begin with," said Sheriff  
Strodtman, "Gehner is the best  
man of the three for the office. I  
have known him from boyhood  
and know that he would make a  
trustworthy public official. His  
supporters are not pouring tens of  
thousands of dollars into his cam-  
paign, but on the other hand, what  
would amount to two or three  
times the salary of the Sheriff's  
office is being expended in behalf of  
McKelvey and Schuler."

## Fees An Issue in Race.

It will be recalled that Sheriff  
Strodtman, a few months ago, in  
a report to the Circuit Judges, said  
his predecessors in office had  
pocketed fees in excess of the  
\$10,000 a year allowed the Sheriff,  
which, he reported, in some cases  
amounted to \$8000 a year. If this  
practice was allowed to continue,  
he said, the salary of the Sheriff  
would amount to \$18,000 to \$20,000  
a year, instead of the maximum of  
\$10,000 as provided by law.The disclosure of this condition,  
as made by Sheriff Strodtman, who  
accounted for all fees in excess of  
\$10,000, has been a source of uncer-  
tainty as to the future of the  
office. It was pointed out that the  
disclosure was made by law in his ad-  
ministration, and that he would  
take only the "legal fees" allowed  
the Sheriff.Schuler has the support of the  
Kaelin faction of the Republican  
party and McKelvey has the solid  
machine vote of the committee-  
men, except Schuler, who is a  
committeeman himself and Peter  
H. Anderson of the First Ward,  
who is for Gehner, being for McKelvey.  
But of McKelvey and Schuler  
and Gehner, the latter is the  
strongest, and that he would  
take only the "legal fees" allowed  
the Sheriff.Big Expenditures Criticized.  
"The people are becoming sus-  
picious of large sums of money in  
political campaigns," said Sheriff  
Strodtman. "It is not good poli-  
tics, and certainly is not good busi-  
ness."He said McKelvey and Schuler  
were "at each other's throats"; that  
their supporters were quarreling  
among themselves, and that Gehner  
had enough strength to "slip in be-  
tween them and win."Gehner has been a precinct work-  
er in the First Ward, which is  
Strodtman's ward, for about 10  
years.

## McKelvey Silent on Expenses.

When informed of Strodtman's  
statement as to expenditures on  
his campaign, McKelvey declined to  
hold this view when he was  
spending, except to remark that  
he would file an expense account  
at the proper time, which, he  
added, would not show excessive  
expenditures.McKelvey said he was not sur-  
prised that Sheriff Strodtman had  
come out for Gehner, in view of  
the fact that Strodtman and  
Gehner live in the same ward and  
belong to the same ward organi-  
zation. He added that when he  
was recommended by the City  
Committee for Sheriff to fill the  
vacancy created by the death of  
Sheriff Mohrstadt about a year  
ago, Strodtman congratulated him  
and said he was the best man for  
the office. But McKelvey did not  
get it. Strodtman receiving the un-  
solicited appointment from the  
Governor to fill out Mohrstadt's  
term.Schuler Welcomes Inquiry.  
Marshal Schuler, in reply to  
Sheriff Strodtman, said he would  
not exceed the legal limit for cam-  
paigning.

Continued on Page 2, Column 2.

LIEUT. NELSON WITHIN  
25 MILES OF ICELAND;  
OTHER PLANES TURN BACKSIXTY CASES OF  
LIQUOR SEIZED AT  
PRIVATE HOMENew York Dry Agents With  
Search Warrant, Raid  
Residence Over Protest of  
Butler.UNCERTAIN WHETHER  
CASE WILL "STAND UP"Wife of Owner of Place Is  
Niece by Marriage of  
Chief Justice Taft—  
Liquors Valued at \$7000.By Leased Wire From the New  
York Bureau of the Post-Dispatch.  
NEW YORK, Aug. 2.—Because  
they saw, from a block away, "a  
package that looked like a case of  
whisky" taken into the home of  
Hugo Gilbert de Fritsch, No. 142  
East Fifty-fourth street, two  
prohibition agents obtained a  
search warrant, raided the house  
and seized what they described as  
60 cases of liquor yesterday.Mr. and Mrs. De Fritsch, the lat-  
ter the niece of the wife of Chief  
Justice Taft, are at their home on  
Cedarhurst, L. I., and a butler is  
sole occupant of the premises. He  
protested against the search and  
seizure, insisting that Agents Vogt  
and Lennon "must mean West  
Fifty-fourth street" and calling  
their attention repeatedly to the  
fact that "this is a private house  
and you can't come in."  
His protests were ignored, how-  
ever, and the liquor was taken to  
prohibition headquarters at Broad-  
way and Twenty-fourth street. Its  
value was placed by the agents at  
\$7500.Permit Not Found.  
At prohibition headquarters of-  
ficials said they had been unable  
to find a record of any permit being  
taken out or of the signing of an in-  
ventory by De Fritsch. Having his  
liquor and wines on hand at the  
time prohibition became effective,  
they said, however, that a further  
search for such a record would be  
made today as they were uncertain  
that the seizure had been properly  
made or would "stand up in court."When the agents consulted the  
legal staff at prohibition head-  
quarters they were told that the  
prohibition law provided for search  
of a private residence only where  
there was evidence of liquor being  
sold.Similar Case Dismissed.  
Commissioner Boyle, who issued  
the search warrant, seemed also to  
hold this view when he dismissed  
a case brought before him. A  
woman, describing herself as Coun-  
tess Sonia Hilkevitch, was ar-  
raigned before the Commissioner  
charged with violating the Volstead  
act. A dry agent said he arrested  
her in her apartment at 30 West  
Forty-seventh street, after obtain-  
ing entrance by means of a letter  
written in Russian. The agent said  
he had just been served a drink of  
whisky when other agents broke  
in and seized a quantity of cham-  
pagne, whisky and wine. When he  
admitted he had not paid for the  
drink and that the agents had no  
search warrant, Commissioner  
Boyle dismissed the complaint.The raid on the De Fritsch home  
is unique here, not only because  
of the circumstance in which it was  
conducted, but because it is the  
first attempt on the part of the  
agents to invade the homes of those  
who are wealthy or prominent so-  
cially. Although homes have been  
raided in this city before, it was  
only when drinks had been pur-  
chased there or evidence had been  
obtained that drinking had been  
conducted in an open manner.

## "NO SPECIAL CREATION OF MAN"

LONDON, Aug. 2.—Canon Er-  
nest W. Barnes, newly appointed  
Bishop of Birmingham, declared  
in an interview at Cambridge:  
"There was no special creation  
of Adam and Eve. They were  
evolved probably from a tribal  
group of monkeys who slowly be-  
came to show a brain development  
characteristic of humanity."  
The book of Genesis, the Bishop  
said, is an allegory.ROUTE TO BE TAKEN BY  
WORLD-GIRDLING FLYERS  
ACROSS U. S. ANNOUNCEDBy the Associated Press.  
BOSTON, Aug. 2.—  
THE route of the world-gird-  
ling army flyers across the  
United States was announced  
here today by Lieut. R. J.  
Brown Jr., chairman of the  
World Flight Committee. The  
stops after the flyers leave here  
will be: Mitchell Field, L. I.;  
Washington, D. C.; Dayton, O.;  
Chicago, Omaha, North Platte,  
Neb., Cheyenne, Wyo.; Salt  
Lake City; Sacramento; Eu-  
gene, Ore., and Seattle.M'LAREN MEETS  
WITH AN ACCIDENTBy the Associated Press.  
ABOARD U. S. COAST GUARD  
CUTTER ALGONQUIN, BE-  
TWEEN ATKA AND ALZE  
ISLANDS, Aug. 2.—Maj. Stuart A.  
MacLaren, flying around the world,  
met with an accident at Nikolski,  
Komandorski Islands, today, but  
no one was hurt, said a wireless  
message from the Canadian Fish-  
eries trawler, Thiepvat.  
Maj. MacLaren flew to West  
Kamcharka from Petropavlovsk,  
Kamcharka, Siberia, Thursday.  
American time, said a message re-  
ceived from the Thiepvat shortly  
before the one telling of the acci-  
dent.The flight was made from West  
Kamcharka to Nikolski today.  
American time, Nikolski is on Be-  
ring Island.

## 10,000 CARLOADS OF GRAPES

By the Associated Press.  
LODI, Cal., Aug. 2.—Shipment of  
10,000 cars of grapes, about 1300  
cars more than last year from this  
district, was forecast by growers  
and shippers, meeting with South-  
ern Pacific traffic officials to dis-  
cuss the season's crop movement.  
Zinfandels and Tokays will begin  
moving about Aug. 25.PARTLY CLOUDY TONIGHT  
AND SUNDAY; SHOWERSTHE TEMPERATURES.  
12 midnight.....75 8 a. m.....75  
3 a. m.....75 10 a. m.....75  
6 a. m.....75 12 noon.....75  
9 a. m.....75 3 p. m.....75  
6 p. m.....75 9 p. m.....75  
Highest yesterday, 85 at 2:30 p.  
m. Lowest, 67 at 6 a. m.Official forecast  
for St. Louis and  
vicinity: Partly  
cloudy weather  
tonight and Sun-  
day, probably  
with local thun-  
derstorms; not  
much change in  
temperature.Missouri: Gen-  
erally fair tonight  
and Sunday ex-  
cept possibly  
thunderstorms.  
Warmer in north-  
east portion to-  
night; cooler in  
northwest portion  
Sunday.Illinois: Partly  
overcast tonight  
and Sunday, ex-  
cept possibly  
thunderstorms;  
warmer in north  
and certain por-  
tions tonight.Stage of the Mississippi River at  
St. Louis, 14.9 feet at 7 a. m., a  
fall of .4.Week's Weather Outlook.  
WASHINGTON, Aug. 2.—Weather  
outlook for the week beginning  
Monday:  
Upper Mississippi and lower  
Missouri valleys: Generally fair  
first half, except possibly local  
showers Monday. Local showers  
probable after middle of week;  
temperatures near normal.AMERICAN FLYERS  
ARE SEPARATED IN  
HEAVY FOG OFF  
ORKNEY COASTSmith and Wade Return to  
Starting Point but Third  
Machine Continues Its  
Flight.DESTROYERS REPORT  
PROGRESS OF PLANEMessage From Faroe Islands  
Tells of Passage of  
Round-the-World Airman  
Over That Point.ON BOARD UNITED STATES  
CRUISER RALEIGH, 25 miles off  
Hofn Hornafjord, Iceland, Aug. 2.  
—(By Wireless to the Associated  
Press.)—Lieut. Eric Nelson, Ameri-  
can round-the-world flyer, passed  
here on his way toward Hofn  
Hornafjord at 4 o'clock this after-  
noon.By the Associated Press.  
REYKJAVIK, ICELAND, Aug. 2.  
—Lieut. Eric Nelson, flying from  
the Orkneys to Iceland in the  
American world flight, passed the  
United States destroyer Reid this  
afternoon 120 miles southeast of  
Hofnafjord, Iceland, headed for  
that island. A United States  
cruiser is reported 50 miles off  
Hofnafjord directing the course  
of Nelson's plane.The weather conditions at  
Hofnafjord, the flyer's destination,  
were reported fine, there



## LETTER URGES REPUBLICANS TO CLEAN HOUSE

Ten Business Men, Headed by Oliver T. Remmers, Urge Slate Breaking in St. Louis.

### URGE DEFEAT OF NATIONS IN PRIMARY

Concerted Action Among Independent Voters Is Called for to Defeat Machine.

A belated effort to revive the "housecleaning" spirit among St. Louis Republicans became evident today with the wholesale distribution of a sample ballot urging independent Republican voters to "break the slate." The ballot is accompanied by a letter signed by 10 business men headed by Oliver T. Remmers, an attorney, who was president of the "housecleaners" organization in St. Louis in 1920.

The slate breakers seek the renomination of Circuit Attorney Sidener, the nomination of City Marshal Anton Schuler for Sheriff, the renomination of Public Administrator Otto Hampe, and the nomination of Dr. R. E. Vitt for Coroner and of Deputy Treasurer William G. Buchner for City Treasurer.

Oppose Nations. They make only one recommendation among the candidates for State office, urging the defeat of Geo. O. Nations, candidate for the Republican nomination for Attorney General and the selection of Assistant Attorney General Robert W. Otto, his opponent.

Members of the committee of 10, which is described by themselves as "Republican Citizens' Committee," are organized to insure nomination of candidates on basis of merit only and to defeat the slate of political rings and bosses. Besides Remmers, are as follows: C. F. Blanke, president of the C. F. Blanke Tea & Coffee Co.; Harry Langenberg, former vice-president of the Merchants Exchange; Jacob Mosberger, president of the Mosberger Lumber Co.; Frank Hagen, president of the Eureka Brass Co.; J. C. Todtman, president of the Aluminum Goods Manufacturing Co.; John Vals, president of the John Vals Packing Co.; N. E. Meletio, secretary of the Meletio Sea Food Co.; William Fuetterer, president of the Fuetterer Battery Service Co.; Joseph Hauser, president of the Central Trades and Labor Union.

Party Machine Denounced. The letter which accompanies the sample ballot in part says that "After each primary election we complain that candidates have been selected by political rings and gangs and thereby the ticket and standard of the candidates nominated have suffered because of lack of co-operation among the independent voters. We have undertaken to advise concerted action among those citizens who prefer to select candidates who are not dictated by the machine of the party committees."

Remmers said today that the committee had been formed and the ballot issued "because we found

**ST. LOUIS POST-DISPATCH**  
Founded by JOSEPH PULITZER.  
Dec. 15, 1878.  
Published Daily by The Pulitzer Publishing Co., Twelfth Boulevard and Olive Street.  
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Mail, Olive 6600. Kinloch, Central 6600

## LOST ARTICLES FOUND

The bright light of a "Lost and Found" ad in the Post-Dispatch penetrates into all the corners of St. Louis and reveals to owners of lost articles those who have found them, thereby assuring their safe return. Advertise your loss where the finder will look for you—in

**THE POST-DISPATCH**  
St. Louis' One Big Want Ad Directory  
Telephone Olive or Central 6600

## Loeb and Leopold, in Court, Watching Opposing Attorneys



Clarence Darrow, attorney for the slayers of Robert Franks, is shown here in conference with State's Attorney Crowe. Leopold is whispering behind his hand to Loeb.

that in most of the wards men were being slayed who were not the best men. So we decided to try to do something to offset it." It was said that 150,000 of the ballots with the explanatory letter will be mailed to voters.

Sample Ballot by Juniors.

Most of the candidates on the "break the slate" ballot are those who are being supported by City Collector Edmond Koeln and it has been suggested that the whole move is designed to defeat Director of Public Safety McKelvey in favor of Schuler for the Republican nomination for Sheriff. Remmers said, however, that this is not true, and that the movement in reality is what the letter says it is.

A sample ballot also is being distributed by the St. Louis Junior Republicans. For Governor only Victor J. Miller is scratched, both Sam A. Baker and Lieutenant-Governor Lloyd being endorsed. A full list of candidates, one for each of the other State and local offices is approved.

Many Out to Arouse Voters.

Circulation of these various sample ballots is expected to supplement the efforts of the League of Women Voters, the Associated Industries of Missouri, the Chamber of Commerce and other organizations which are trying through many avenues to arouse voters to the importance of voting in the primary Tuesday.

Among other things the league has formed a committee of 500 women each of whom has agreed to telephone to 100 voters in her precinct urging participation in the primary.

Heat of the contests over some of the nominations which are at issue has led partisans of some of the candidates to fear attempts at fraud and at least one of the gubernatorial candidates is making attempts to have the polls watched to see that his particular interests do not suffer. Circuit Attorney Sidener has arranged also to have the grand jury in session primary day and has asked that one Circuit Judge remain on duty at the Municipal Courts Building to the end that prompt indictment may be obtained in the event of violation of the primary law.

Falls From Train, Legs Cut Off.

JEFFERSON CITY, Mo., Aug. 2.—R. D. Pinegar, 19, of Flat River, Mo., died in a local hospital today as a result of the loss of both his legs when he fell between two cars of a moving train in the Missouri-Pacific yards here early today. Pinegar was en route home from the harvest fields of Kansas and Nebraska.

Opinion of Loeb's Intellect.

"You are of the opinion Loeb is intellectually plus par?" asked the State's Attorney.

"He showed up very well," said Dr. White.

"His emotional age, you said yesterday, was low, four or five," suggested Crowe.

"I couldn't fix it definitely," was the response.

"Doctor, have you any children?" was the next question.

The witness smiled as he replied he had a step-child and a grandchild.

"Which is responsible for the murder, the emotional or intellectual man?" asked Crowe.

"You can not split a man like that," replied the doctor.

Origin of the Crime.

"Where did the crime originate, in the emotion or the intellect?"

"It originated in the drive of the instincts, or the emotions. But I do not believe that is a very complete statement," said the expert.

"Could the intellect have stopped the emotions at any time during the six months they were planning this crime?" asked Crowe.

"I don't know," said Dr. White.

"Do you think a man with the estimate of a child of five would show sympathy for others?"

"Ordinarily, no."

"Do you think a man with the emotions of a child of five would show consideration for the feelings

## CROWE ATTACKS CREDIBILITY OF DEFENSE ALIENIST

Continued from Page One.

It was wrong to kill Robert Franks?"

"He knew it was against the law."

"Did he know it was morally wrong?"

"He could not distinguish exactly."

"Is he legally insane?"

Another objection was sustained. A Battle of Wits.

"What is criminal intent?" was asked at another stage of the battle of wits.

"I don't know, you tell me," was the comeback.

"Haven't you referred to it?"

"No, I used the term 'criminalistic tendencies.'"

The doctor defined this as "antisocial" and then said that "responsibility" was a "legal fiction" and at best "a critique of society."

Alienist Cross-Examined.

Dr. White, defense alienist, still was on the stand at the resumption of today's half-day session.

Ten days of the hearing have seen increased interest today, judging by the long line of visitors struggling for entrance to the courtroom, hundreds coming while not more than 200 can gain admission.

Crowe started with a question as to the witness' statement yesterday that Loeb had considered killing members of his family and also Leopold.

"What is your authority for this?" asked Crowe.

"Loeb himself," said the doctor.

"The fact that he told you this but not the State's Attorney was significant?"

"I never considered it as I did not know exactly what he had told you," said Dr. White.

"Dr. White said the only authority he had for saying that Leopold had considered killing Loeb was a letter written by the former."

The State's Attorney next elicited that Dr. White had not applied the usual tests to Leopold and Loeb, having depended for this aspect of the case upon a report by Dr. William Healey, who is to follow him on the stand.

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"Do you think a man with the estimate of a child of five would show sympathy for others?"

"Ordinarily, no."

"Do you think a man with the emotions of a child of five would show consideration for the feelings

of others to the extent that he would not want to divulge the names of decent girls when he got himself into trouble?" asked Mr. Crowe.

Swayed by Right and Wrong.

The doctor explained that Loeb had been swayed all the time between right and wrong, but that Leopold had a better determination of mind than Loeb.

Crowe asked if a child of five could say that he had contemplated killing the grandson of the president of the company with which his father was connected and then ask to keep that name out because "Dad is out at Sears, Roebuck & Co. and it might embarrass him with Julius Rosenwald." Rosenwald is president of Sears, Roebuck & Co., of which firm Loeb's father is an executive officer.

That would show affection for his father," the doctor said.

Crowe read a long question as to why Loeb had appeared normal to all his family and social contacts, and they never had noticed any abnormality or sub-normality.

The doctor replied that Loeb's emotional side was such as to endear him to his people and those with whom he came in contact, and to blind them to the defects that would be apparent upon an examination by experts.

"What is criminal intent?" asked Crowe.

"I don't know, you tell me," replied the doctor.

Defines Responsibility.

"Well, you are not in accord with the law," Crowe asserted when Dr. White said responsibility was "a legal fiction to fasten upon the defendant something that would justify a verdict of right or wrong."

"No, I am not in accord with the law in a good many ways in my thinking," said the doctor.

"Mental illness is sickness of mind, insanity is a legal term, insanity only after a man legally has been declared insane," said the doctor.

He was asked about the use of the term insanity in a book he had written and replied:

"I used insanity instead of some recondite philosophical term in a book so the average person in looking over a book still would be more likely to take it," said the doctor.

The straight questions by Crowe regarding insanity were objected to and Judge Caverly sustained the defense.

You wrote another book 'The Outlines of Sump' or 'Other'?" said Crowe as those near enough to catch the question smiled. The doctor replied he had not defined 'insanity' in that book.

Difference in Youths.

"Intellectually," Dr. White said, "Leopold knew he was wrong, but he had no feeling of it."

"Is Loeb the leader in this crime?" asked Crowe.

"It's almost impossible to separate these individuals and put one out as a leader," Dr. White replied.

"Which has the stronger mind?" asked Crowe.

"I should say Babe has the more clear cut, cleanly conceived objective, a largely constructive component in his make-up. Dickie on the other hand impresses one as much more on the other side of the equation, being rather essentially destructive and following the line of least resistance."

Dr. White argued with the prosecutor when Crowe sought to bring out whether the fact the youths had a third intimate associate would make any difference in his estimate of the boys. Dr. White refused to say whether the third youth should be examined in a psychopathic hospital.

Dr. White, in reply to a series of questions, said he did not think

Leopold had misled him, the prosecutor referring to Leopold as a super-intellect.

"Is dementia praecox insanity?" asked Crowe. "No," replied the doctor.

"What's the moral insanity?" and "what's depravity?" brought statements from the examiner and witness that each knew what they meant.

States Views on Depravity.

After much arguing back and forth, the doctor replied to the question regarding depravity with a long sentence composed from the viewpoint of the psychiatrist.

Crowe insinuated that the doctor had not questioned the mental condition of the boys upon the date of the crime, but rather had looked into their condition at the age of five. This line of questioning brought on more fencing, the doctor defending his position as against the procedure Crowe suggested.

"You were not interested sufficiently to ask which of them committed the murder?" Crowe asked.

"No, I knew when I got through," the witness replied.

The doctor said he had forgotten yesterday to tell that Leopold, it seemed to be hanged, had planned to write 19 of the world's riddles, have them put into a safe-box and get in touch with scientists and attempt to solve these riddles by spiritualism, but he did not believe in those things.

Planned to Write Book.

"He said there would be a couple of months before execution and he would write a book of his philosophy for the world, feeling he was sufficiently unwise to make such a book worth while, that there was a great opportunity to give his philosophy to the world, said the doctor."

"He wanted also to write that he went to his end consistently, and to some people expected," continued the witness.

"I did not mention a number of other delinquencies in which the boys were engaged," said the witness, but that line was not pursued either by Crowe or Dr. White.

Dr. White said Nathan had not lied to him, at all, being "frank" all the way through. He said he did not "think it strange Babe had lied to every other person."

Other Criminalistic Angles.

"They smashed windshields with bricks and stole automobiles," said Dr. White when Crowe got back to the other criminalistic angles.

"They set fires to buildings, acting in conjunction," the witness continued, naming three fires they said they had set.

Crowe tried for a "yes" or "no" answer as to whether Loeb, who appeared normal to university teachers, could have avoided the crime.

The defense objected strenuously to that trend and insisted the report be not divulged. It came out that Walter Bachrach had it.

Finally the prosecutor said: "If the witness is not willing to produce that report, I will let the matter rest right there."

Crowe mentioned the governor of Loeb's childhood. Dr. White said Loeb was pretty much handed over to the governor, that the governor very largely stepped into the mother's shoes.

Says Loeb Felt Neglected.

"Dick told me he thought his family had more or less neglected him but that he thought their intention was perfectly good," said the witness, saying that he did not remember what Loeb had said of his mother.

Crowe said Loeb had two older and one younger brothers, and the doctor replied that nothing had been said of brotherly association.

"Neurotic types always feel isolated from others," said the witness, and there was nothing unusual in Loeb's feeling of no friends and being alone, with periods of de-

## REORGANIZERS OF THE U. R. FORM NEW BUS COMPANY

Lines Supplemental and Issuing Transfers to Street Cars to Be in Operation in 90 Days.

### APPLICATION FOR INCORPORATION FILED

Capital Fixed at \$10,000 in Paid Up No Par Value Stock—Approval of U. S. Court Necessary.

A new bus company, designed to serve only districts where street car service is not available and offering transfer facilities with the street railway system, was formed today by the Reorganization Committee of the United Railways and will be in operation in 90 days.

This step follows the collapse of negotiations looking toward the purchase of the Peoples Motorbus Co. by the reorganization interests for \$2,400,000. It is not taken to mean that the deal is permanently off, however, as the Reorganization Committee retains a four-month option on the bus properties.

Incorporation Notice Filed.

Notice of application for incorporation of the Motor Coach Co. of St. Louis, with \$10,000 paid up no par value stock, was filed with the Recorder of Deeds today. A. L. Shapleigh, a member of the Reorganization Committee; Lawson M. Watts, assistant vice president of the First National Bank; Sam W. Greenland, Thomas Stansbury and Stanley Clarke of Newman, Saunders & Co., are the incorporators.

A. T. Perkins, general manager for the receiver of the United Railways, pointed out to the Board of Public Service at a recent application of the Peoples Motorbus Co. for further permits, that the Reorganization Committee would form a bus company unless the Peoples company agreed to supply service supplemental to the street railways and agreed to a transfer system.

John A. Riccio, president of the holding company for the bus line here, pronounced the transfer system "economically impossible" when it was discussed with him.

It will be necessary for the United Railways receiver to enter into contract with the new line, subject to the approval of the Federal Court and the State Public Service Commission, before the plan can be put into operation. The attitude taken by Perkins indicates this will be a formality only.

Routes Not Yet Selected.

Greenland, who is operating expert for the reorganization interests, said that no decision as to routes had been reached, but added that applications would be made when a survey indicated where supplemental service was needed.

He said Perkins would be consulted, inasmuch as he had frequently planned extensions of service but was unable to carry them through because the street car system was not in receivership.

The Board of Public Service now has under consideration six new routes applied for by the Peoples Motorbus Co. The meeting of the Board set for Tuesday has been postponed because of the primaries.

report, which the prosecutor hinted, held the boys to be insane.

Court Interrupts.

"There is no question of insanity here; the boys are sane," interrupted the court.

"I am forced to hear this evidence to see if there is any mitigation involved. There is no question of legal insanity."

Crowe insisted that the original report be produced, arguing that he wanted to attack the credibility of the witness.

"If this witness has been willing to swear one thing for \$250 a day but since had changed his opinion and is willing to testify to another thing for the same fee, I think I have seriously impaired his credibility to your honor," said Crowe.

The defense objected strenuously to that trend and insisted the report be not divulged. It came out that Walter Bachrach had it.

Finally the prosecutor said: "If the witness is not willing to produce that report, I will let the matter rest right there."

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## SLAYERS HAD TOO MUCH BRAINS, TOO LITTLE FEELING

Defense Alienist Says Emotional Development of Youths Has Not Kept Pace With Growth of Intellects.

BY PAUL Y. ANDERSON,  
A Staff Correspondent of the Post-Dispatch.

CHICAGO, Aug. 2.—Richard Loeb and Nathan Leopold Jr., each suffered from a combination of too much brains and not enough feeling. In Loeb's case this took the form of "split personality," and in Leopold's case it took the precisely opposite form of monomania.

When the "split personality" condition and this monomania were placed together, they resulted in the murderous emotional compact which caused the kidnapping and death of Robert Franks.

This, in skeleton form, was what Dr. William A. White, the distinguished alienist, told Judge Caverly yesterday.

For the purposes of the murder, Loeb and Leopold really comprised a single personality. In the formation of which their two minds fitted together with "devilish ingenuity," the expert testified.

Neither of them could have carried it out alone, he said. Loeb possessed the criminalistic tendencies necessary to initiate the scheme, but lacked the force and intelligence to go through with it. Leopold would never have launched upon it, but his strange double relation of slave and protector to Loeb caused him to fall in with the plan, and to carry it forward when Loeb faltered.

Emotionally Dwarfed.

Emotionally, Loeb is about 4 or 5 years old, although intellectually he is above the average. Emotionally, Leopold is but 7 or 8 years old, but intellectually, is so far above the average as to suggest genius. In short, each of them, while of mature intellect, is suffering from "infantilism" on the emotional side. Dr. White declared.

They have carried forward with them the emotional attitude which they had as children.

In each case, however, the result was different. Loeb's emotional side, developing criminal tendencies, until he is now in the condition of "split personality," which frequently grows into malignant insanity. Leopold, on the other hand, suffering from retarded development on the emotional side, while of developing criminal tendencies, is now in the condition of "infantilism" on the emotional side.

In other words, Loeb is sliding into criminal insanity, while Leopold has developed a conceit so fanatical in its intensity, as to be hypnotized by the psychical, racial, his countenance taking a boyish and rather wistful expression. Leopold was uneasy.

He seemed the analysis of his mother was rendering it vulnerable. His egoism could not stand against anything except an egoism of his own. He glared around occasionally with leering eyes, as if to see what impression the testimony was making. He did not enjoy it.

That if there was any question of State wanted to ask about making that should not be brought up, he openly because of the presence of women, the attorneys, witness and himself retire to the judicial chambers.

It was agreed that nothing along that line had already been quietly made into the record.

Bachrach took up the examination, Judge Caverly stopping short when he sought to ask the "Gonales" case mentioned yesterday by Crowe. The Court said he was not interested in the case.

There was no further question of Dr. White and Judge Caverly joined court until Monday morning.

Judge Caverly suggested to Crowe



1997

By the Associated Press.

**BUNDER ABBAS, Persia, Aug. 2.**—Major Zanni, the Argentine military aviator, who is attempting a round-the-world flight along the route mapped out by the British aviator, Stuart MacLaren, arrived here yesterday from Basra, Iraq. Since Wednesday Major Zanni has flown from Aleppo, Syria. He reached Bagdad at noon Thursday.

is to be used in making the bronze.

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ETE DETAILS

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**FOR COMPLETE DETAILS**

\_\_\_\_\_



SHOCKER'S WEAK PITCHING AND SISLER'S MISPLAY BEAT BROWNE

Bush Tries to Climb Into Stand After Heckler and Umpire Banishes Ruth

Yankee Pitcher Resents Being Called "Yellow," But Is Prevented From Assaulting Nagging Fan—Ruth Kicks Himself Out of Game.

By Herman Wecke. Everything was going smoothly at Sportman's Park, yesterday, until after the Brown's half of the seventh inning. The events began to pop. As a result an otherwise dull afternoon was turned into an exciting one for the 7500 persons present. And it all happened because some fan in the grandstand decided to start riding Joe Bush, on the hill for the Yankees.

The said spectator started riding Bush with a stick, while he was hurrying to Tobin in the Brown's seventh. The right-hander did not have any too good control and pushed over three wide ones: "Yellow," yelled the fan, loud enough to be heard all over. And that started Bush. Suddenly he gained control, but Tobin singled. After the inning Bush went up to Umpire Moriarty and pointed out the offender. Moriarty walked over to the stand. That did not satisfy Bullet Joe. He ran into the Yankee dugout as though he intended to come from under the stand and get the fan. In this he was prevented.

Meanwhile all the Yankee players were gazing wickedly into the stand. Ruth made a move as though he intended to climb up there and operate on the offender, but he, too, was headed off. Then Bush came back. He made a leap and had gained the railing of the grandstand boxes when two policemen pulled him back.

The situation was tense, but in the end no damage was done—except that the Browns were defeated by the New Yorkers, 3 to 2, enabling Huggins' men to hold their scant first-place lead.

Bambino is Benched. "Babe" Ruth started more excited in the ninth. Following Dugan's single, the Bambino bunted safe down the third-base line for his third straight hit. Meusel crashed one down the third-base line, which Robertson fielded cleanly and a fast double play resulted. Ruth did not like the decision and kicked until he was banished by Umpire Rowland. And that was that.

When everything had quieted down, Ruth sauntered on the field of play and Umpire-in-Chief Moriarty had to call time. Ruth wanted his glove from left field and he decided to walk right into the middle of the diamond. He finally got as far as the pitcher's box when "Babe" Hornsby, who had replaced him, threw in his glove. Then he departed amid cheers and boomer from the spectators.

Fruet Relieves Shocker. As to the ball game, it was a good one. The Browns lost because Bush was a better pitcher than Urban Shocker. Shocker worked the first seven frames, after which Fruet relieved him. The Yankees without a run in the last two.

The game showed that the best of players can "boot" one, now and then. This occurred in the Yankee fifth, in which the New Yorkers counted the two tallies that enabled them to win. And the athlete to pull one for the book was none other than George Sisler. Very seldom the Browns' manager makes a misplay, but something went astray yesterday.

It happened in this manner: The Yankee had the bases full when Pipp cut one down the first base line. The Browns' leader made a clean pickup. He had an easy forefoot at the plate, but for some unknown reason he elected to tag first and then throw to the plate. He retired Pipp all right, but Dugan slid into the plate ahead of his toes to second. And that run was the one that eventually beat the locals.

Error Helps Browns Score. The two runs for the Browns came across in the eighth when Pipp muffed up an easy grounder from Severide's bat. Jacobson and Robertson were on the bases and there were two out at the time. The Yanks started after Shocker in the second. Pipp and Schang singled and Ward chased Pipp home with a long fly to Jacobson. One out in the fifth. Witt, Dugan, Ruth and Meusel singled and then came the play by Sisler, which already has been described, and the visitors had two more markers.

Shocker was out for nine safe-ty while he was on the hill. Bush permitted seven runs, five of this number coming in the last four rounds.

The final of the series with the Yankees is scheduled today. Weather permitting, Davis and Fenwick will be the pitchers. Tomorrow the Washington club calls to open a series with Sisler's men.

Miss Browne, at Her Best Again, Wins Two Tennis Titles in East

Former Champion Takes Seabright Singles and Figures in Doubles—Bill Johnston Defeated by Howard Kinsey in Men's Final.

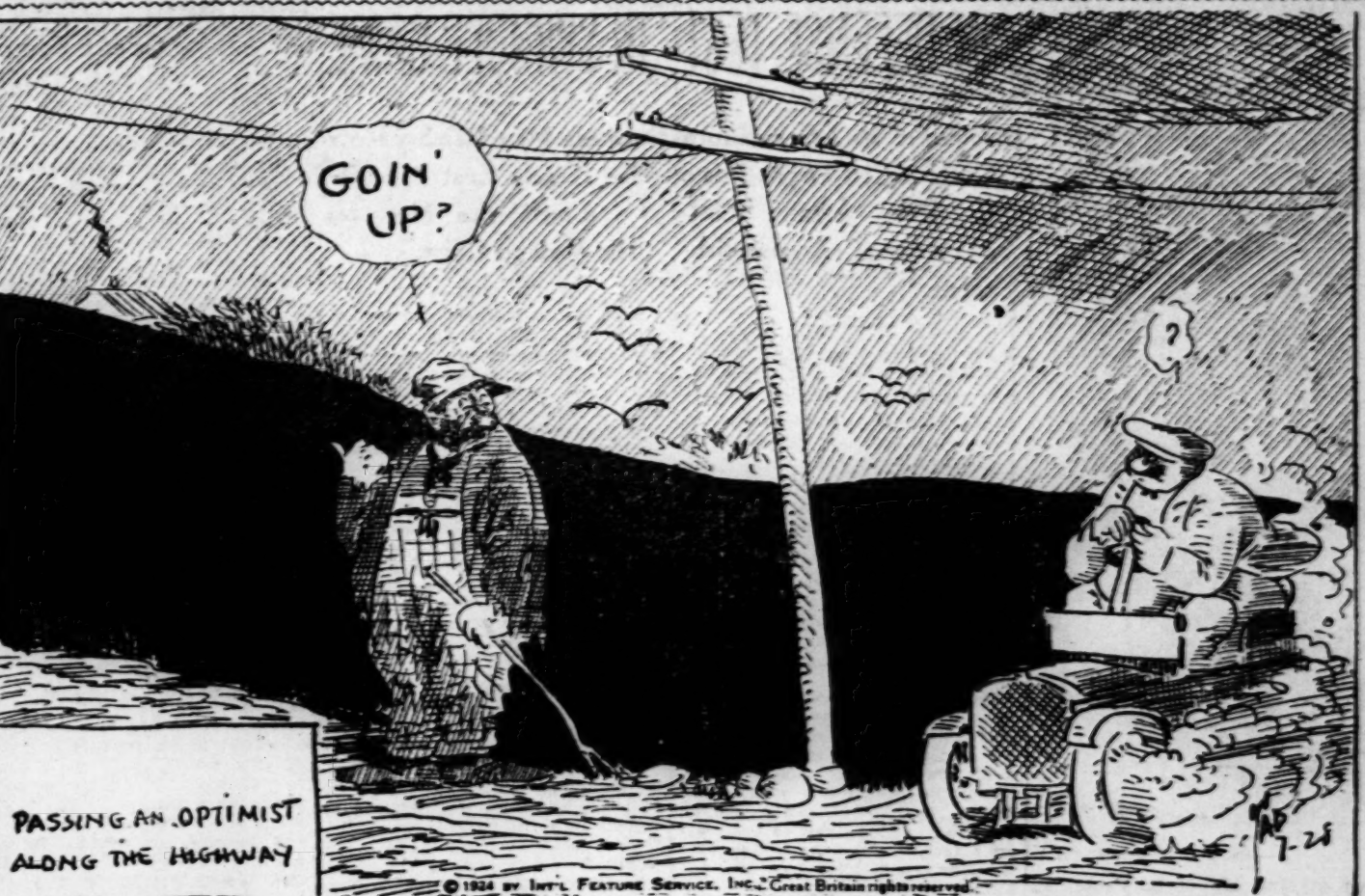
By the Associated Press. SEABRIGHT, N. J., Aug. 2.—America's second ranking tennis star, William M. Johnston, went down to defeat at the hands of the Pacific Coast star, Howard Kinsey, in the final of the Seabright invitation tennis tournament yesterday in a hard-fought match that went the limit of five sets, 6-4, 3-6, 6-3, 1-6, 6-3.

Kinsey's attack was brilliant several times forcing Johnston out of position and compelling the errors largely responsible for the defeat of Little Bill.

Johnston was not up to his best form and it was only occasionally that his wonderful forehand shots carried their old sting. He seemed unable to compel Kinsey to take the offensive, his lack of speed and frequent lapses costing him the match.

Miss Browne Comes Back. The first California victory of the day was scored by Miss Mary E. Browne, when she took Miss Mayne MacDonald, national clay court champion, into camp in the woman's singles final, 6-0, 6-1.

Outdoor Sports



Test for Olympic Doubles Winners

Norman Brookes and Schlesinger to Play Richards and Hunter Today.

NEW YORK, Aug. 2.—The Australian Davis Cup team took the third and deciding match against China on the courts of the Crescent A. C. in Brooklyn yesterday. Gerald L. Patterson and Pat O'Hara Wood defeated the Chinese doubles team of W. Lock Wei and C. K. Huang, 6-1, 6-2, 6-0.

Huang and Wei put up a stiff defense. Huang's top spin drive off his forehand caused Wood considerable trouble. The Chinese breaking through Wood's service in the second game of the first set and again in the seventh game of the second set.

The Chinese made their best stand in the second set when they held the Australians fairly even. Wei caught Patterson off guard several times with some stiff volleying, scoring several points.

The Australians forced the attack in the third set, reeling off six games in a row. Patterson took the final point with a hot cross court off his backhand.

THIRD INNING. CARDINALS—Bottomley drew a pass. Blades doubled to right, putting Bottomley on third. Cooney grounded to Parkinson. Bottomley scored. Blades scored on Neiberger's double to right. Ring was relieved by Carlson. Neiberger held second while Woehrs threw out Freigau. Dyer filed to Williams. TWO RUNS.

PHILADELPHIA—Carlson drew a pass. Moken sacrificed. Dyer to Bottomley. Schultz's drive went straight to Hornsby, who tossed to Bottomley, doubling Carlson. NO RUNS.

THIRD INNING. CARDINALS—Smith popped to Wilson in front of the plate. Holke filed to Williams. Hornsby grounded to Ford. NO RUNS.

PHILADELPHIA—Williams singled to center. Williams was forced at second on Woehrs' grounder. Hornsby unassisted. Holke lined to Hornsby, who tossed to Bottomley for a double play. NO RUNS.

FOURTH INNING. CARDINALS—Bottomley grounded to Ford. Blades doubled to center. Parkinson threw out Cooney. Neiberger struck out. NO RUNS.

PHILADELPHIA—Ford singled through left box. Parkinson sacrificed. Neiberger to Bottomley. Wilson hit to Freigau, who tagged Ford. Carlson grounded to Bottomley. NO RUNS.

FIFTH INNING. CARDINALS—Freigau walked. Dyer hit to Parkinson, who touched second, forcing Freigau, and threw to Holke, doubling Dyer. Smith singled to right. Holke forced Smith. Woehrs to Ford. NO RUNS.

PHILADELPHIA—Moken grounded to Cooney. Freigau threw out Schultz. Williams singled past third. Williams out stealing. Neiberger to Cooney. NO RUNS.

Blues Buy Lebourveau. KANSAS CITY, Mo., Aug. 2.—The Lebourveau, outfielder of the Nashville club of the Southern Association, has been purchased by the local club of the American Association. He will report here on Sept. 15. Lebourveau has had several years' major league experience with Philadelphia and Brooklyn. He hit 323 and fielded 336 last year in the Southern Association.

Phillies 4, Cards 2, After Five Innings Of Second Contest

By a Special Correspondent of the Post-Dispatch. PHILADELPHIA, Aug. 2.—Eddie Dyer, on the hill for the Cardinals in the second game of their double-header with the Phils here this afternoon, was pounded for four runs in the opening game.

Ring of the Phils was replaced by Glanzer in the second frame after the Rickemeyns had batted in two runs.

FIRST INNING. CARDINALS—Woehrs threw out Smith. Holm out to Ring. Hornsby drove deep to Schultz. NO RUNS.

PHILADELPHIA—Moken reached first when Freigau threw low. Moken stopped at second on Schultz's single to left. Moken was forced at third on Williams' bunt. Dyer to Freigau. Schultz scored on Woehrs' single to left. Holke bunted safely. Ford bounced a double off the right field wall, scoring Williams and Woehrs and moving Holke to third. Parkinson drove a sacrifice fly to Holm. Holke scoring. Wilson struck out. FOUR RUNS.

SECOND INNING. CARDINALS—Bottomley drew a pass. Blades doubled to right, putting Bottomley on third. Cooney grounded to Parkinson. Bottomley scored. Blades scored on Neiberger's double to right. Ring was relieved by Carlson. Neiberger held second while Woehrs threw out Freigau. Dyer filed to Williams. TWO RUNS.

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TODAY'S IF TABLE

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Cards Lose First Game to Phils, 3-0, 2 Hits Off Glanzer

By a Special Correspondent of the Post-Dispatch. PHILADELPHIA, Aug. 2.—Allan Sothoron was unable to lead the Cardinals in the first game of their double-header here this afternoon.

The score was 3 to 0. FIRST INNING. CARDINALS—Smith tapped to Glanzer. Holm grounded to Ford. Hornsby also grounded to Ford. NO RUNS.

PHILADELPHIA—Moken filed to Holm. Harper drew a pass. Williams also drew a pass. Henline hit into a double play. Cooney to Hornsby to Bottomley. NO RUNS.

SECOND INNING. CARDINALS—Bottomley filed to Harper. Blades doubled down the third base line. Cooney lined to Harper. Gonzales grounded to Parkinson. NO RUNS.

PHILADELPHIA—Wrightstone tapped to Sothoron. Holke struck out. Ford singled over second. Smith made a spectacular catch of Parkinson's high fly near the right field fence. NO RUNS.

THIRD INNING. CARDINALS—Freigau singled through Ford. Sothoron hit into a double play. Ford to Parkinson to Holke. Smith grounded to Wrightstone. NO RUNS.

PHILADELPHIA—Glanzer struck out. Moken filed to Blades. Harper lined to Smith. NO RUNS.

FOURTH INNING. CARDINALS—Wrightstone threw out Holm. Wrightstone took Hornsby's fly. Bottomley filed to Moken. NO RUNS.

PHILADELPHIA—Williams struck out. Henline singled to left. Wrightstone lined to Freigau, whose quick toss to Bottomley doubled Wrightstone off first. NO RUNS.

FIFTH INNING. CARDINALS—Blades filed to Williams. Cooney drew a pass. Glanzer caught Cooney off first but Jim reached second on Holke's ball throw. Parkinson dropped "eased" easy fly. Freigau filed to Ford. For who stepped on second doubling Cooney. NO RUNS.

PHILADELPHIA—Holke singled past second. Ford sacrificed. Gonzales to Bottomley. Parkinson drew a pass. Holke and Parkinson scored when Glanzer doubled over Hornsby's head. Moken was called out on strikes. Sothoron. Schultz batted for Harper and popped to Bottomley. Williams out. Bottomley to Sherdel, covering first. TWO RUNS.

SIXTH INNING. CARDINALS—Schultz went to right field for the Phils. Sherdel was called out on strikes. Smith popped to Wrightstone. Holm lined to Schultz. NO RUNS.

PHILADELPHIA—Henline walked. Wrightstone was safe when Hornsby fumbled. On Holke's bunt, Henline was forced to third. Sherdel to Freigau. Wrightstone scored on Ford's single to left. Parkinson was hit by a pitched ball and the bases were filled. Glanzer fanned. Holm was under Moken's fly. ONE RUN.

SEVENTH INNING. CARDINALS—Hornsby walked. Bottomley popped to Wrightstone. Blades filed to Moken. Cooney tapped to Glanzer. NO RUNS.

PHILADELPHIA—Schultz singled past third. Williams fouled to Freigau. Henline filed to Holm. Sherdel knocked down Wrightstone's smash and threw him out at first. NO RUNS.

EIGHTH INNING. CARDINALS—Williams made a good catch of Gonzales' long smash. Freigau popped to Holm. Sherdel was called out on strikes. NO RUNS.

PHILADELPHIA—Holke popped to Cooney. Blades was under Ford's fly. Parkinson singled past Hornsby. Glanzer popped to Hornsby. NO RUNS.

NINTH INNING. CARDINALS—Smith bunted and was out. Glanzer to Holke. Holm grounded to Parkinson. Hornsby struck out. NO RUNS.

BROWN PLAYS BARTON IN VALLEY SEMIFINAL. SIOUX CITY, Ia., Aug. 2.—Wray Brown, St. Louis, played J. H. Barton, Sioux City, in the semifinals of the Missouri Valley and Interstate tennis tournaments, which were postponed yesterday because of rain.

Phil Braun, Minneapolis, and Hutchinson will play Wray Brown and Carl Meyer, Kansas City, Sunday. The winners of the semifinals will play Phil Bennett, Des Moines, and "Buff" White, Sioux City, in the semifinals of the Missouri Valley and Interstate tennis tournaments, which were postponed yesterday because of rain.

Walker Fight V Rounds

Commission Turn Over York

YANKS' FIE

Jimmy John Welterwe

By the Associated Press. NEW YORK, Aug. 2.—The fight between Benny Walker, holder of the lightweight championship, and Jimmy John Welterwe, who will take place at the Y.M.C.A. gymnasium on Monday night, is being held two weeks earlier than the original date at Boyle's Thirty-Nine.

Joe Welling, billed to keep Tommy O'Brien, A. C. last night before the commission, has been postponed because of illness. The commission has now held a new commission and the fight is now announced.

No Change. Johnston of the stadium in the month of September fight, that no change in the original date at Boyle's Thirty-Nine.

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# BROWN

## se First

### o Phils, 3-0;

#### Off Glazne

dependent of the Post-Dispatch.  
—Allan Sotheron was unable to hold  
his lost in the first game of their de-

## Cardinals Box Score

FIRST GAME.	
CARDINALS.	A. B. R. H. O. E.
Smith, cf.	4 0 0 1 0 0
Holm, c.	4 0 0 0 0 0
Horton, 2b.	2 0 0 0 0 0
Boston, 1b.	2 0 0 0 0 0
Blades, lf.	2 0 0 0 0 0
J. Conner, ss.	2 0 0 0 0 0
Gonzales, e.	3 0 0 0 0 0
Freeman, 3b.	3 0 0 0 0 0
Sotheron, p.	1 0 0 0 0 0
Sherrill, p.	2 0 0 0 0 0
<b>Totals.</b>	<b>30 0 0 1 0 0</b>
PHILADELPHIA.	
A. B. R. H. O. E.	
Moham, cf.	4 0 0 0 0 0
Harper, rf.	4 0 0 0 0 0
Schultz, rf.	2 0 0 0 0 0
Williams, cf.	2 0 0 0 0 0
Herrin, e.	3 0 0 0 0 0
Wright, 2b.	4 0 0 0 0 0
Holke, 1b.	3 1 1 0 0 0
Robt, 2b.	3 0 0 0 0 0
Freeman, ss.	3 1 1 0 0 0
Glazner, p.	4 0 0 0 0 0
<b>Totals.</b>	<b>37 3 2 1 0 0</b>
Innings.	1 2 3 4 5 6 7 8 9
Cardinals.	0 0 0 0 0 0 0 0 0
Philadelphia.	0 0 0 0 0 0 0 0 0

## NATIONAL MUNICIPAL

### NET TOURNAMENT TO OPEN

#### IN DETROIT WEDNESDAY

By the Associated Press.  
DETROIT, Mich., Aug. 2.—The city of Detroit has designated their interest in being represented in the annual municipal tennis tournament which will be held at the Detroit Tennis Club on Wednesday, August 7, 1924.

Entrants in the tournament are the holders of the championship of their city. Each city has a single and a doubles entry. Among the cities to be represented are St. Louis, Philadelphia, Cincinnati, Chicago, Bedford, Mass.; South Bend, Ind.; Jacksonville, Fla.; Memphis, Tenn.; Boston, Pittsburgh, Kansas City, New York.

The late Erie tennis tournament yesterday from the first round of the Canadian open golf championship, which was held at the Detroit Tennis Club on Wednesday, August 7, 1924.

MEHLHORN 5 STROKES BEHIND LEADER IN CANADIAN GOLF EVENT

By the Associated Press.  
MOUNT BRUNO, Quebec, Aug. 2.—Sixty-one players who entered yesterday from the first round of the Canadian open golf championship, which was held at the Detroit Tennis Club on Wednesday, August 7, 1924.

BOBBY DOYLE, BOXER, WOUNDED BY GUN

By the Associated Press.  
NEW YORK, Aug. 2.—Santucci, known as the ring as Doyle, flyweight boxer, was wounded last night by gunshot wounds in the chest and arm.

DE VALERA IS OPPOSED TO TAILTEANN GAMES

By the Associated Press.  
DUBLIN, Aug. 2.—Eamon de Valera, in a statement made yesterday, says his decision, reached after long deliberation, is to oppose the Tailteann games, which are to be held in the city of Dublin on August 10, 1924.

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# ADDITIONAL SPORTING NEWS

## Walker-Leonard Fight Will Be 15 Rounds, Decision

Commission Forces Rickard to Turn Over Contracts to New York Promoter.

## YANKS FIELD TO BE USED

## Jimmy Johnston Will Promote Welterweight Championship Battle.

By the Associated Press.  
NEW YORK, Aug. 2.—The fight for the welterweight championship between Benny Leonard, world's lightweight champion, and Mickey Walker, holder of the welter crown, will take place on the night of Aug. 16 at the Yankee stadium.

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YANKS FIELD TO BE USED

## Little Bill Still There.

Another panic struck the tennis world today, with the news that Howard Kinsey had beaten Little Bill Johnston in the final of the Seabright tennis tournament.

With Bill Tilden not yet invited to compete for the Davis cup team, with Williams on the sidelines and with Vincent Richards and the doubles team (Richard and Hunter) suffering defeat in England, Johnston had been relied upon to furnish the backbone of the Davis challenge round.

And the failure in this department was in quarters where none could have expected it—Shocker and Vandigler.

With these two players pitching as well as last year, at this time, the club would now be far out in front instead of trailing five or six games back of the leaders.

At this date last year Shocker had won 15 games and Vandigler 11, a total of 26 victories. This year the two combined have not won a dozen games.

With similar records this season for this pair of acrobats, the Slister men, in spite of all other handicaps, would today have a lead of seven or eight games on the Yanks.

Some alibi!

What Hope Remains.

THERE is still hope that these two pitchers will improve in the next two months' play. And the great game of IF has it that:

IF Dixie Davis continues to show his recent form.

IF Kenny Williams gets back into the game.

IF McManus' arm continues to stand up.

IF Robertson keeps on slaughtering the ball.

IF Vandigler finally comes to life.

IF Shocker strikes his true salt.

Then the jinx will be run down and backed over, and the team will throw a scare into the New York pennant trust.

Yes, We Have an Alibi.

BASEBALL fans, more than all others, like to fall back on that doubtful solace of what

TORONTO OARSMEN LEAD IN CANADIAN REGATTA

By the Associated Press.  
ST. CATHARINES, Ontario, Aug. 2.—Argonaut Rowing Club, Toronto, with 19 points, led the Canadian Amateur Association of Oarsmen regatta, held over the Royal Henley course, with second with 10 points, while the West Side Boat Club, Buffalo, and the Toronto Rowing Club, Toronto, were tied for third with four points each.

The regatta ended today.

The Undine Boat Club, Philadelphia, made a determined bid for honors.

Out of three heats in which they had entrants they won two and finished third in the other. Their best victories were in two of the most important events of the regatta, the senior eight and senior six.

The feature event today, the final of the senior eight, was won by the Undine Boat Club, Philadelphia, Argonauts of Toronto, and Lachine of Montreal.

TRIPLE A CLUB NET TOURNAMENT OPENS TODAY

The annual tennis championship of the Triple A Club will open this afternoon when first-round matches in the singles and a number of doubles contests will be played.

There are 80 players in the Triple A singles and 40 in the doubles.

Pairings for the championship:

SINGLES—E. O. Jostes vs. Cushman; Serrano vs. Rice; Barnes vs. Florida; Epstein vs. Reppert; Kamman vs. Hess; Morley vs. W. Finger.

DOUBLES—Jostes, Barnes vs. Florida; Epstein, Reppert vs. Kamman, Hess; Morley, W. Finger vs. Serrano, Rice.

Epinaud's Jockey Sails.

NEW YORK, Aug. 2.—Everett Epinaud, stable jockey of Pierre Wertheimer, who will ride Epinaud in the series of international sweepstakes here this fall, sailed for France today.

Epinaud's Jockey Sails.

## Joe Smith in Semifinals of Park Net Tourney

Junior Champion Surprises by Defeating Niemoeller in Straight Sets.

By the Associated Press.  
Joe Smith, the St. Louis junior champion, reached the semifinal round of the municipal tennis championship at Forest Park yesterday by defeating Arthur Niemoeller, the Tower Grove Park entrant, 6-4, 6-3.

The result was a surprise as Niemoeller was favored to win.

In the first set play was even for four games. Niemoeller, by steadier playing and good placement, took the lead at 4 to 2.

The junior champion came into the net more frequently and won two straight set points to become more accurate in the following games and won the set.

Smith dropped the opening game of the second set but after that kept the lead. He showed more confidence and better judgment, which resulted in bringing the score to 5 to 2.

Niemoeller was trailing in the following game, but by net play won it. He made a fine effort to take the ninth game, but several errors prevented him from doing so and Smith won the game and the match.

William Bierman and Jack Forster, the Washington University players, reached the semifinals as a result of a default by the team of Kinsey and Esser.

Niemoeller and Charles Saussele defeated Joe and Jack Smith in the doubles yesterday and also advanced to the semifinals.

The four semifinal round contests were scheduled for this afternoon but were postponed until tomorrow because of wet courts.

Ted Heuermann, Robert Moulton and Ted Heuermann played Joe Smith in the singles. In the doubles Drewes and Heuermann meets Niemoeller and Saussele and Bierman and Forster oppose Anderson and Kunze.

Commercial League.

Fairground, 1. Union Electric vs. Cotton Belt, 2. grounds 3. Curran vs. Freight, 4. grounds 5. American Credit, 6. grounds 7. American Credit, 8. grounds 9. American Credit, 10. grounds 11. American Credit, 12. grounds 13. American Credit, 14. grounds 15. American Credit, 16. grounds 17. American Credit, 18. grounds 19. American Credit, 20. grounds 21. American Credit, 22. grounds 23. American Credit, 24. grounds 25. American Credit, 26. grounds 27. American Credit, 28. grounds 29. American Credit, 30. grounds 31. American Credit, 32. grounds 33. American Credit, 34. grounds 35. American Credit, 36. grounds 37. American Credit, 38. grounds 39. American Credit, 40. grounds 41. American Credit, 42. grounds 43. American Credit, 44. grounds 45. American Credit, 46. grounds 47. American Credit, 48. grounds 49. American Credit, 50. grounds 51. American Credit, 52. grounds 53. American Credit, 54. grounds 55. American Credit, 56. grounds 57. American Credit, 58. grounds 59. 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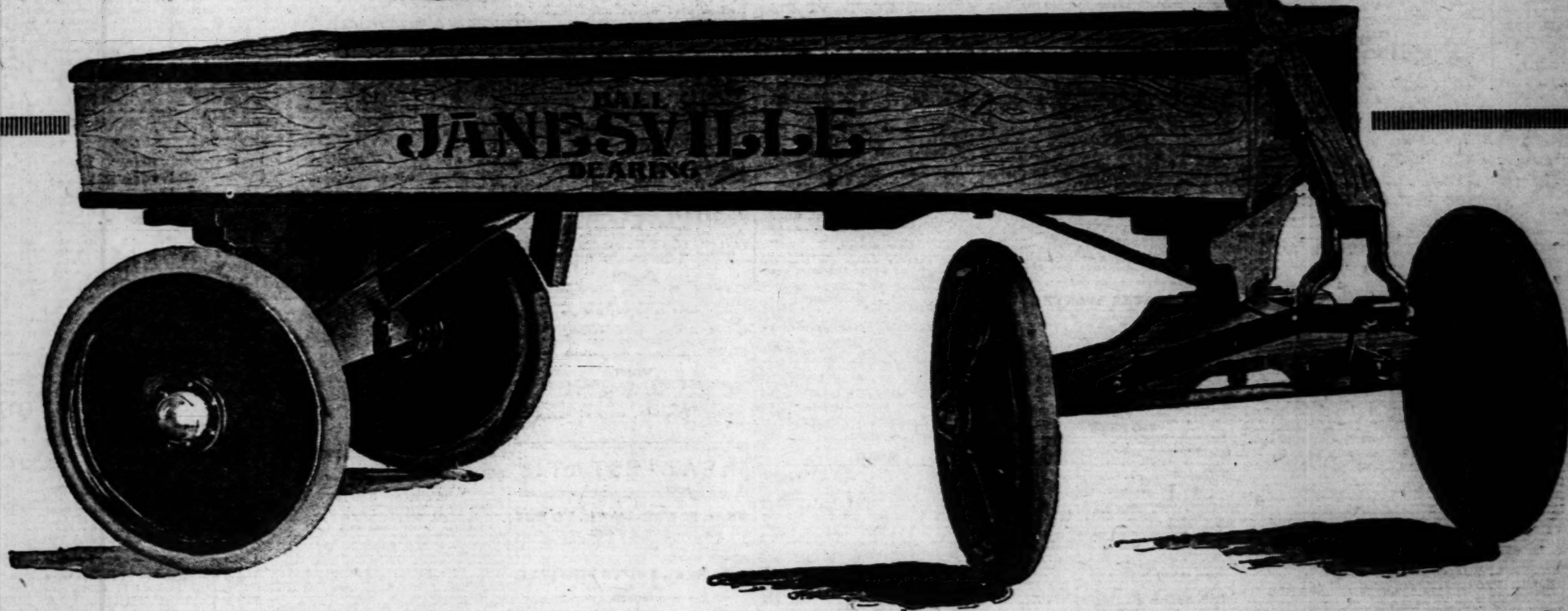




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ON THE WEST BY GRAND BL.  
ON THE EAST BY THE MISSISSIPPI RIVER

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AGE .....  
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Editorial  
Daily

PART TWO.

HUGHES TO  
GERMAN L  
IN BERLIN

American Offi  
in Capital E  
row—Will  
Political an  
Leaders.

HONORED BY  
BELGIAN

Cardinal Merc  
Secretary D  
Doctor of  
Louvain Uni

By the Associated Press  
BERLIN, Aug.  
Hughes, who is sched  
here early tomorrow  
lunch formally  
Albert and in the  
the guest of Honor  
to be given by  
Houghton, at which  
there will be presen  
members of the Ge  
ment and of the  
leaders in the indus  
cial life of the nati  
Hughes plans to  
on Monday, after  
6'clock in the eveni  
for Bremen. The G  
ment has placed a  
car at his disposal.

London Confers  
tary Hug  
By the Associated Press  
BRUSSELS, Aug.  
Hughes, American  
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two new titles we  
him—doctor of law  
city of Brussels, an  
of the University  
degrees were conf  
yesterday.

The first was of  
Belgian Ambassa  
States, Baron de C  
chienne, at the Am  
and the second by  
at the archbishop  
Hughes serving as the  
ceremony.

Hughes conclude  
day by dining in  
palace with King  
Elizabeth, who re  
vacation for the  
menarch had invit  
distinguished party  
Hughes, including  
Phillips, Baron C  
enne, Aloy Van  
gian minister of  
Yorckhonne, minist  
defense; M. Van  
of the Supreme  
Frangui, minister  
their wives.

Mr. and Mrs. H  
ceived at the dow  
by the King and Q  
They had a brief  
dinner, was  
Secretary Hug  
wreath with the  
on the tomb of  
Queen, on the invita  
and Queen, went  
to see the royal  
pay the sovereign  
fois leaving for  
Hughes was accom  
tomb by Mrs. Hug  
can Ambassador  
and all the mem  
husay staff.

The party was  
Lemonnier, repres  
of Brussels, and  
of the Ministry  
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and unostentatio  
Mr. and Mrs.  
Berlin this after  
car was provided  
Cologne Express  
companied to the  
De Cartier de Mar  
railway station th  
holders farewell  
Phillips and the  
husay. Mr. Hug  
sult as delighted

MILITARY HON  
U. S. Cruiser to  
of Stain V  
By the Associated P  
WASHINGTON  
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Toberan, Persia  
to the United Sta  
Trouton with ap  
honoree.  
The arrange  
the State De  
Persian Govern  
to pay all expen  
of the American  
that country to  
Trouton now is  
sented to Bushi  
to arrive Aug. 30



PART TWO.

ST. LOUIS, SATURDAY EVENING, AUGUST 2, 1924.

PAGES 9-12

## HUGHES TO MEET GERMAN LEADERS IN BERLIN SUNDAY

American Official Arrives  
in Capital Early Tomorrow—Will Dine With  
Political and Industrial  
Leaders.

## HONORED BY TWO BELGIAN SCHOOLS

Cardinal Mercier Presents  
Secretary Diploma of  
Doctor of Laws From  
Louvain University.

By the Associated Press.  
BERLIN, Aug. 2.—Secretary  
Hughes, who is scheduled to arrive  
here early tomorrow, will take  
lunch formally with President  
Ebert and in the evening will be  
the guest of Honor at a formal dinner  
to be given by Ambassador  
Foughton, at which it is intended  
there will be present Herr Ebert,  
members of the German Govern-  
ment and of the Reichstag and  
leaders in the industrial and finan-  
cial life of the nation.

Hughes plans to visit Potsdam  
on Monday, after which at 6  
o'clock in the evening he will leave  
for Bremen. The German Govern-  
ment has placed a private railway  
car at his disposal.

Loucan Confers Degree on Secre-  
tary Hughes.

By the Associated Press.  
BRUSSELS, Aug. 2.—Charles E.  
Hughes, American Secretary of  
State, was signally honored when  
two new titles were conferred on  
him—doctor of laws of the University  
of Brussels, and doctor of laws  
of the University of Louvain, both  
degrees were conferred on him  
yesterday.

The first was conferred by the  
Belgian Ambassador to the United  
States, Baron de Cartier de Mar-  
chienne, at the American Embassy,  
and the second by Cardinal Mercier  
at the archiepiscopal palace at Ma-  
lines serving as the setting for the  
ceremony.

Hughes concluded a well-filled  
day by dining last night at the  
palace with King Albert and Queen  
Elizabeth, who returned from a  
vacation for the occasion. The  
monarch had invited a small dis-  
tinguished party to meet Secretary  
Hughes, including Ambassador  
Phillips, Baron Cartier de Mar-  
chienne, Aloy Van de Vyvere, Bel-  
gian minister of economics; M.  
Yorhonne, minister of national  
defense; M. Vanhessem, president  
of the Supreme Court and Emil  
Fauquier, minister of state and  
his wives.

Mr. and Mrs. Hughes were re-  
ceived at the door of the palace  
by the King and Queen, with whom  
they had a brief cordial talk be-  
fore dinner was served.

Secretary Hughes placed a  
wreath with the American colors  
on the tomb of the Belgian Un-  
known Soldier this morning and  
then, on the invitation of the King  
and Queen, went to Laeken Palace  
to see the royal hothouses and to  
pay the sovereigns a last visit be-  
fore leaving for Berlin. Mr.  
Hughes was accompanied to the  
tomb by Mrs. Hughes, the Ameri-  
can Ambassador and Mrs. Phillips  
and all the members of the em-  
bassy staff.

The party was received by Baron  
Lemonnier, representing the city  
of Brussels, and a representative  
of the Ministry of National De-  
fense. The ceremony was quiet  
and unostentatious.

Mr. and Mrs. Hughes left for  
Berlin this afternoon. A special  
car was provided for them on the  
Cologne Express and they were ac-  
companied to the frontier by Baron  
De Cartier de Marchienne. At the  
railway station the Secretary was  
bidden farewell by a Mr. and Mrs.  
Phillips and the staff of the Em-  
bassy. Mr. Hughes expressed him-  
self as delighted with his stay here.

**MILITARY HONORS FOR IMBRIE**  
U. S. Cruiser to Bring Home Body  
of slain Vice Consul.  
By the Associated Press.  
WASHINGTON, Aug. 2.—The  
body of Vice Consul Robert W.  
Imbrie, killed by a native mob at  
Teheran, Persia, will be brought  
to the United States by the cruiser  
Trenton with appropriate military  
honors.

The arrangement was made by  
the State Department after the  
Persian Government had agreed  
to pay all expenses of the voyage  
of the American war vessel from  
that country to Washington. The  
Trenton now is at Naples and will  
proceed to Bushire, Persia, in time  
to arrive Aug. 26.

## Will Texas Elect A WOMAN GOVERNOR?

Mrs. Ferguson's Chances of Victory and Her  
Views on State Problems.

Likely to Be in Run-Off for  
Democratic Nomination  
as Holder of Second Place  
in Primary.

Special to the Post-Dispatch.  
TEMPLE, Tex., Aug. 2.—When  
Mrs. Miriam A. Ferguson was run-  
ning for the nomination for the  
governorship of Texas in a field of  
nine she was more or less lost to  
view in the dust of the race. As  
the first woman in any state to  
seek the governorship, she was a  
novelty and there was sentimental  
appeal in the fact that she was  
running for the office from which  
her husband, James E. Ferguson,  
had resigned pending impeach-  
ment proceedings and in her an-  
nouncement that she was running  
to vindicate the family name, but  
the world at large was skeptical.  
There was a fear that she would  
not show strength in the primary  
and the world at large did not want  
to show too much interest in her  
until she had shown whether she  
could run.

Mrs. Ferguson has shown that  
in a field of nine she can finish  
second, or so the incomplete fig-  
ures indicate, and that entitles her  
to contend in a match race in the  
"run-off" with the only one of the  
eight men who was fast enough to  
beat her in the general primary.

So now the world at large, rep-  
resented by its writers and photo-  
graphers, is making a path to Mrs.  
Ferguson's door, out on Seventh  
street in this town of Temple, fol-  
lowing in the footsteps of a Post-  
Dispatch writer who took a chance  
before she had demonstrated her  
strength and told about her in a  
True Life Story last month.

### Why Mrs. Ferguson Has Chances of Election.

Mrs. Ferguson is not Governor  
yet, but it begins to look like Tex-  
as, for the sake of having the first  
woman Governor, and for other  
reasons, must elect her. It is true  
that Judge Felix Robertson of Dal-  
las received in the general primary  
about 45,000 votes more than Mrs.  
Ferguson, but it may be, as friends  
of Mrs. Ferguson suggest, that he  
has extended himself to his full  
capacity and has little or no re-  
serve for the run-off.

Robertson is the candidate of  
the Ku Klux Klan. The Klan is  
strong in Texas. It has shown its  
strength by giving him a clear plu-  
rality in the nine-cornered con-  
test. But it is believed that the  
Klan has "shot its wad," as they  
say in remote parts of the Pan-  
handle, and cannot do more for  
him than it has already done.

Most of the other candidates,  
distanced by Robertson and Mrs.  
Ferguson, have given Mrs. Fergu-  
son to understand that they are for-  
saking her now on. Lynch Davidson  
of Houston, Mrs. Ferguson's closest  
contender for second place, has  
thrown his support to anybody be-  
cause he has not given up hope  
that the complete count may en-  
able him to take her place in the  
run-off with Robertson. If he is  
eliminated the candidate to whom  
he throws his strength will have a  
great advantage.

### Losing Candidates Pledge Support.

Mrs. Ferguson takes heart from  
the telegrams she is receiving from  
eliminated candidates and their  
supporters, pledging transference  
of their strength to her. Here are  
some that have been received at  
the Ferguson headquarters: From  
W. E. Pope, Corpus Christi: "Please  
convey my congratulations to  
Mrs. James E. Ferguson. If you  
think I can be of service in the  
second primary, command me and  
I shall do what I can in defense  
of the principles urged by Mrs.  
Ferguson's platform."

From Lee P. Pierson, state cam-  
paign manager for Whit Davidson:  
"If you are in run-off I will sup-  
port you."

From Hal Collins, Houston, son  
of Senator V. A. Collins: "Looks  
certain that your good wife and Fel-  
ix Robertson will be in run-off.  
Command me if I can be of any  
service to you on stump or other-  
wise. You and my father have  
made this campaign alone and sin-  
gle-handed and I am anxious to  
help you defeat these Adolphus Ho-  
tel Governor makers."

From Robert Lee Henry, Hous-  
ton, former Congressman: Con-  
gratulations. Am ready to do  
everything in my power for your  
election. When the returns put



MRS. MIRIAM FERGUSON.

you in second primary your elec-  
tion to the governorship is as-  
sured. Thousands in this section  
are rallying to your support to de-  
stroy Klan rule."

From Collin County Farm Labor  
Union, McKinney: "After losing  
our indorsees for Governor we are  
giving you our unanimous support  
in the run-off."

Other messages from friends and  
from those who were opposed to  
Ferguson in former campaigns as  
well as in this, attest the feeling  
of the voters over the success of  
Mrs. Ferguson and their desire to  
insure her election over her oppo-  
nent in order, as Bob Henry says:  
"To destroy Klan rule."

### "A Christian Mother and Democratic."

Senator Joe Burket of Eastland,  
one of the candidates in the recent  
primary, was in Temple Thursday  
and announced his support of Mrs.  
Ferguson in the run-off primary  
against Robertson. The Senator  
gave out a statement after holding  
a conference with Mrs. Ferguson  
and her husband. His statement  
follows:

"I am supporting Mrs. Ferguson  
wholeheartedly in this campaign  
for the very simple reason that  
her views and mine on State af-  
fairs are more nearly in accord  
than those of her opponent. I feel  
that she is a lady of much more  
than ordinary ability, and is much  
more conversant with the duties  
and responsibilities of the office of  
Governor than her opponent."

"We have been boasting of the  
equality of women with men in  
politics, and if we really mean  
what we say, then there is no good  
reason why a woman may not be  
Governor of Texas. It is true that  
women have not participated in  
politics for very long, but I know  
lots of men who have participated  
in governmental affairs, in the way  
of voting, and otherwise, for many  
years, and yet I know that they  
are not competent to hold any of-  
fice of importance."

"Mrs. Ferguson is democratic in  
her views. She is of Southern  
blood, and Texas-born and raised,  
and is not an aristocrat in any  
sense of the word. The democratic,  
patriotic, home-making and wom-  
an of Texas should rally to her  
support in this run-off primary.  
She is a Christian mother and a  
patriotic and patriotic citizen; she  
stands for the highest ideals in our  
social, political and educational  
affairs, and deserves the unstinted  
support of all liberty-loving men  
and women in Texas."

### Plans to Ask Her Husband's Advice.

Mrs. Ferguson issued a state-  
ment yesterday, in which she said,  
"If such honor has fallen to me,  
I want to first thank God, to  
whom I have carried my troubles  
through all these years of adver-  
sity and tribulation."

She thanked her friends and  
supporters for their loyalty, and  
declared herself deeply grateful  
for the letters that the mothers  
of Texas have sent.

"I shall endeavor, through the  
aid and advice of my husband, and  
the advice of prominent and  
patriotic citizens, regardless of  
past controversies and affiliations,  
to bring about a constructive ad-  
ministration of state affairs," she  
said. "Texas has had enough  
strife and partisanship and the  
condition of our State demands  
that everybody get himself into a  
frame of mind to make whatever  
concession is necessary to improve  
and develop our State affairs and  
institutions."

"Our constitutional tax limit for  
general purposes has been exceed-

Losing Candidates Rally to  
Her Support—She Is  
Likely to Get Anti-Ku  
Klux Support.

ed by our State appropriations and  
without in any way desiring to  
hamper any department I shall  
ask the full co-operation of every-  
body to keep our expenditures  
within constitutional limits.

"Honest people should not incur  
debts that they are not able to pay.  
The State should set the same ex-  
ample."

"Of course, my first desire is to  
do something for the country and  
common schools of the State. The  
education of the children of the  
great masses who cannot educate  
themselves is the first duty of the  
State. This is imperative, not only  
as a matter of justice, but as a  
matter of preservation of the re-  
public."

"I also want to co-operate to the  
fullest extent in the maintenance of  
our higher institutions of learning.  
The Constitution provides for these  
institutions and when conducted in  
the proper way they are needed. Let  
me emphasize that no higher  
institution of education, from the  
university down, need have any  
fear from my administration as  
long as it is maintained along the  
line of efficiency, economy and  
within the limits of the public re-  
venues fixed by the Constitution."

"I believe that we need a recon-  
struction to the provisions of old-time  
democracy set forth in the Consti-  
tution of our fathers, which pro-  
vides for the freedom of religious  
and political thought and respect  
for the law of the land. Let us  
spend a little time living up to our  
own religion rather than complain-  
ing about our neighbors' religion,  
and maybe we will get along better."

### Would Stamp Out Bootleg Drug Store.

"Believing in the necessity of  
the prohibition laws to prevent the  
evils of intoxicating liquors, I  
shall use every power vested in me  
as Governor to have such laws en-  
forced in letter and spirit, tem-  
pered only with justice and hu-  
manity. While I recognize the ne-  
cessity at times for the use of in-  
toxicating liquors as a medicine,  
yet I want to raise my voice against  
the alarming increase of liquor  
sales by drug stores under the plea  
that it is sold for medicinal pur-  
poses when in truth it is sold for  
beverage purposes at outrageous  
prices and is ruining all too many  
of our boys and girls. The saloon  
was bad enough, but the modern  
bootlegging drug store is a disgrace  
to our country; they must go. As  
Governor of Texas I shall demand  
it."

"I want to thank the people,  
who, from every part of the State,  
have tendered me their support in  
this contest. I believe that God  
will answer my prayer for the  
success of our boys and girls, and  
which my good husband and I are  
seeking, not for revenge, but for  
the good of our children and their  
children who shall live after us.  
I am not in this race through any  
great desire to hold office and I  
shall not become again a candidate  
if our prayers for vindication are  
answered. But for two years I  
want to give the people a devoted  
service. Mother, won't you help  
me?"

Mrs. Ferguson has said that if  
she is elected she will be Govern-  
or. But "Jim" Ferguson has done  
most of the campaign work and,  
as he has never exhibited a talent  
for self-effacement, Mrs. Fergu-  
son's statement is taken with salt,  
but Ferguson has a large follow-  
ing himself and there is a feeling  
that he was not treated right in  
being refused an opportunity to  
seek vindication at the hands of  
the voters, so there is not likely  
to be complaint if Mrs. Ferguson  
is elected and seen fit to avail her-  
self of her husband's guiding  
hand.

### LATE TEXAS PRIMARY RETURNS

Mrs. Ferguson Still Has Second  
Place in Governorship Race.

By the Associated Press.  
DALLAS, Aug. 2.—Mrs. Miriam  
A. Ferguson still holds second  
second place in the returns on the  
Democratic gubernatorial primary.  
This gives her the right to enter  
the run-off primary. Late returns  
from 251 of the 252 counties of the  
State give Mrs. Ferguson a plural-  
ity of 6,152 votes over Lynch David-  
son, her only contender for sec-  
ond place. Robertson leads for  
first place.

### Flag Half-Mast for Harding.

By the Associated Press.  
WASHINGTON, Aug. 2.—In  
memory of President Harding, who  
died a year ago today, the White  
House flag was lowered today to  
half-mast.

## 7 OF 11 MEMBERS OF LABOR COUNCIL FOR LA FOLLETTE

Federation to Act Today on  
Report Which Is Under-  
stood to Indorse Senator  
"as Individual."

By JOHN J. LEARY, JR.  
A Staff Correspondent of the Post-  
Dispatch and New York World.

ATLANTIC CITY, Aug. 2.—La  
Follette's supporters in the Execu-  
tive Council of the American Fed-  
eration of Labor, meeting in the  
Hotel Ambassador yesterday, talked  
down a suggestion to postpone  
action on the matter of indorsing  
political candidates until next  
week, and made it a special order  
of business for today.

Then, if the present program of  
the La Follette men goes through,  
the report of the Non-Partisan Pol-  
itical Committee of the federation,  
which favors La Follette "by im-  
plication" will be adopted.

La Follette and Wheeler will be  
indorsed "as individuals" leaving  
formal announcement of the coun-  
cil's action to be made Sunday af-  
ternoon.

Informal discussion among the  
members makes it appear that  
the council of the 11 members now  
favoring La Follette.

The council, according to the  
best information available, now  
stands as follows: For indorsing  
La Follette and Wheeler as indi-  
viduals: President Gompers, Vice  
Presidents Martin F. Ryan, Joseph  
Valentine, Jacob Fisher and Mat-  
thew Wolf, Secretary Frank Mor-  
rison and Treasurer Daniel J. To-  
bin. For presenting the records of  
the candidates and let each union-  
ist decide for himself: Vice Presi-  
dents Thomas A. Rickard, James  
Duncan, Frank Duffy and William  
Green.

Fear of resentment against the  
indorsement of La Follette that  
will "split" the federation wide  
open" are expressed by opponents  
of the Wisconsin man in and out  
of the council. Apparently in an  
effort to please those opposed to  
the La Follette indorsement, or at  
least to make the report less un-  
pleasant than it now is, the origi-  
nal report is being rewritten. The  
changes it is understood, are of  
phraseology and not of substance.

In this document, besides an  
analysis of the Republican and  
Democratic platforms, the declara-  
tion is made that the La Follette  
platform is to be preferred to  
those of the two old parties. Presi-  
dent Coolidge is sketched over  
rather lightly, while Charles G.  
Dawes is denounced as the foe of  
labor.

The committee is hardly more  
kind to John W. Davis, who is held  
to be impossible because of his  
street connections, while  
Charles W. Bryan, his running  
mate, is given a negative record.

Then, swinging to La Follette and  
Wheeler, the committee spreads  
lavish praises for the statement stop-  
ping just short of an absolute re-  
commendation to vote for them.

Gompers authorized a denial of  
a statement that he would lead the  
opposition to La Follette.  
"I am not leading the opposi-  
tion. I have not led it and I am  
not going to lead it," his statement  
said.

### RUSSIANS TAKE HOLIDAY TO PROTEST WAR AND CAPITALISM

Three-Day Demonstration Held in  
Moscow by Workers  
By the Associated Press.  
MOSCOW, Aug. 2.—The demon-  
strations against war, the capital-  
istic state of society and the sec-  
ond international, which have been  
in progress throughout Russia since  
Wednesday, culminated today in  
huge street parades of workers,  
communists and student organiza-  
tions carrying banners and trans-  
parencies condemning militarism  
and capitalism.

### SHOOTING OF 19 BULGARIANS INVESTIGATED BY GREECE

By the Associated Press.  
SOFIA, Bulgaria, Aug. 2.—At the  
request of the Bulgarian Govern-  
ment, a mixed commission of in-  
quiry is going to Greek Macedonia  
tomorrow to investigate allegations  
that Greek citizens bound and shot  
19 Bulgarian subjects near Gernis  
Brodi.

The Refugee Commission, on the  
suggestion of the Bulgarian Govern-  
ment, has also decided to refuse  
further applications for emigration  
under the plan of interchange of  
population.

## OUTLINES ACHIEVEMENTS OF BRITISH LABOR PARTY

Counsellor of Organization Says Accomplish-  
ments Will Be "Permanent Phenomenon"  
in Politics—Revolutionary Only in Aim.

Special to the Post-Dispatch.  
WILLIAMSTOWN, Mass., Aug.  
2.—High praise for the achieve-  
ments of the Labor party in its  
short term of office in Great Brit-  
ain was contained in an ad-  
dress before the Institute of  
Politics last night by Richard H.  
Tawney, counsellor of the Labor  
party. The lecture was the first of  
a series which Mr. Tawney is de-  
livering here on "The History and  
Policy of the British Labor Move-  
ment."

The Labor party, the speaker  
said, will be a permanent phe-  
nomenon in English politics. "It  
never was," he explained, "revolu-  
tionary in method. It is and will  
continue to be revolutionary in aim."

Another speaker was Sir Valen-  
tine Chirol, long director of the  
foreign department of the London  
Times. He drew a picture of the  
reawakening of the Orient and of  
the menace the stirring of the East  
held for the Occident. Some way  
must be found to a peaceful read-  
justment of relations or the world  
will be plunged into deadly racial  
conflict, he declared, asserting that  
the races of the East resented the  
white man's assumption of superi-  
ority.

### Round Table Conference.

The work of the institute began  
in earnest today when the first  
round-table conference was held.  
"Problems of Foreign Relationship  
With China" was discussed by one  
group under the direction of John  
Van Antwerp MacMurray of Wash-  
ington, chief of the Division of Far  
Eastern Affairs of the Department  
of State. Another group, led by  
Prof. Henry Pratt Fairchild of  
New York University, considered  
"Population and Related Prob-  
lems."

"A Socialist and pacifist is Prime  
Minister," Tawney said, "and at the  
Foreign Office a Socialist and  
pacifist is Chancellor of the Ex-  
chequer. The founder of the Fab-  
ian Society is president of the  
Board of Trade."

"The former secretary of the  
National Union of Railway Men is  
Minister of War, an iron founder is  
at the Home Office, and a miner at  
the Postoffice. The former secre-  
tary of the Miners' Federation is a  
colleague of a former Viceroy of  
India at the Admiralty."

"And the world still continues to  
revolve," he commented.

Sir Valentine attacked Lloyd  
George for his policy in the Near  
East.

Sir Valentine said Lloyd George  
had not the courage to declare that  
his support of the Greeks against  
the Turks while the French were  
encouraging the other side was due  
to a personal and futile prefer-  
ence of his own.

In the settlement of the Egyp-  
tian question, Sir Valentine stated  
that Lloyd George failed at first  
to act on the Milner report. Later,  
while saying that Britain's atti-  
tude had not changed, the British  
Premier made second declaration  
of principles which gave the

## DAVIS IN NEW YORK BUT DOES NOT SEE GOVERNOR SMITH

Heralded Conference on New York-  
er's Candidacy Fails to Mate-  
rialize—Will Meet Aug. 7.

Special to the Post-Dispatch.  
NEW YORK, Aug. 2.—John W.  
Davis, Democratic candidate for  
President, arrived at his head-  
quarters in the Murray Hill Hotel  
at 10 o'clock yesterday morning.  
Three blocks away, in the Hotel  
Biltmore, was Governor Smith. But  
Davis did not ask Smith to run  
for a third term as Governor.  
Neither made such a suggestion  
and the widely advertised confer-  
ence between them failed to mate-  
rialize.

Davis, on leaving last night for  
his home in Locust Valley, L. I.,  
said he did not expect to see the  
Governor today. This makes it  
appear there will be no talk be-  
tween the presidential candidate  
and the Governor over New York  
affairs until both attend Franklin  
D. Roosevelt's clam bake for  
Duchess County Democrats Aug-  
ust 7.

It is not to be inferred there is  
any coldness between the two men.  
It can be stated authoritatively  
that the presidential candidate  
would be glad to have the present  
Governor on ticket. But the pre-  
sent disposition of the Davis man-  
agers is to leave the settlement of  
all such questions in the hands  
of local leaders. Davis and Clem-  
L. Shaver, his manager, with  
George White of Ohio, devoted  
themselves yesterday to the prob-  
lem of completing the advisory  
committee and making up a finance  
committee.

In a common resentment of the  
white man's assumption of superi-  
ority and of indefensible rights  
based on the superiority of a race  
which owes to nature a generally  
lighter complexion than that of the  
population of the Orient."

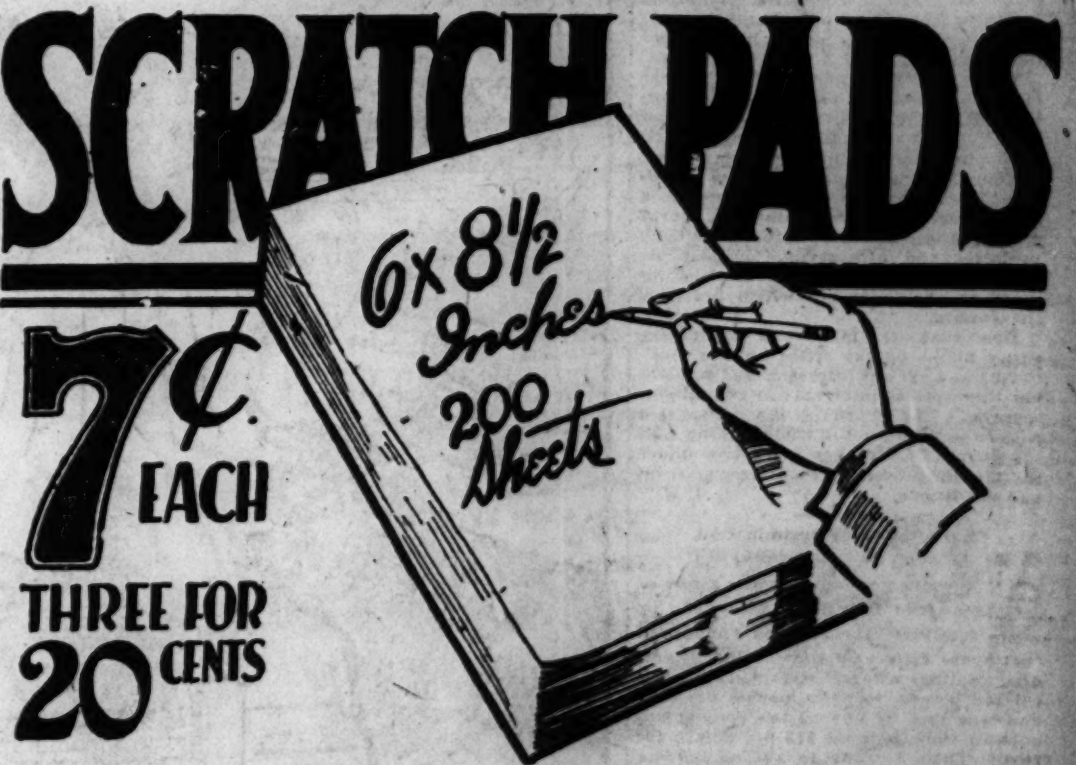
## Woman Mayor of Seattle Made Crooks Behave

She was only "acting mayor" but  
the work she started is having its  
effect. The Sunday Post-Dis-  
patch tells how robberies had  
ceased, joints were closing, and  
the city was well started toward  
a new order of things.

Get the Big Sunday

POST-DISPATCH  
It Sets the Pace!

## LARGE SIZE SCRATCH PADS



These Pads are made up in blocks of  
approximately 200 sheets. They sup-  
ply ideal scratch paper at a price so  
low it is business economy to have a  
liberal supply on hand. The Scratch  
Pad habit saves more than its cost in  
preventing the waste of expensive  
stationery.

Get a Dollar's Worth Today

No Mail or Phone Orders

Call at or Send to the Business Office of the

POST-DISPATCH  
Twelfth Boulevard and Olive Street



Missouri Road Co.  
KANSAS CITY—C  
ed.  
ST. JOSEPH—Threat  
lower: roads good.  
JOPLIN—Cloudy.  
ads good.  
JEFFERSON C  
ads muddy.  
COLUMBIA—Clear;  
MOBERLY—Clear;  
SPRINGFIELD—Fal  
heavy rain: good  
HANNIBAL—Cloud  
ed.











## SECRETARY HUGHES IN ENGLAND



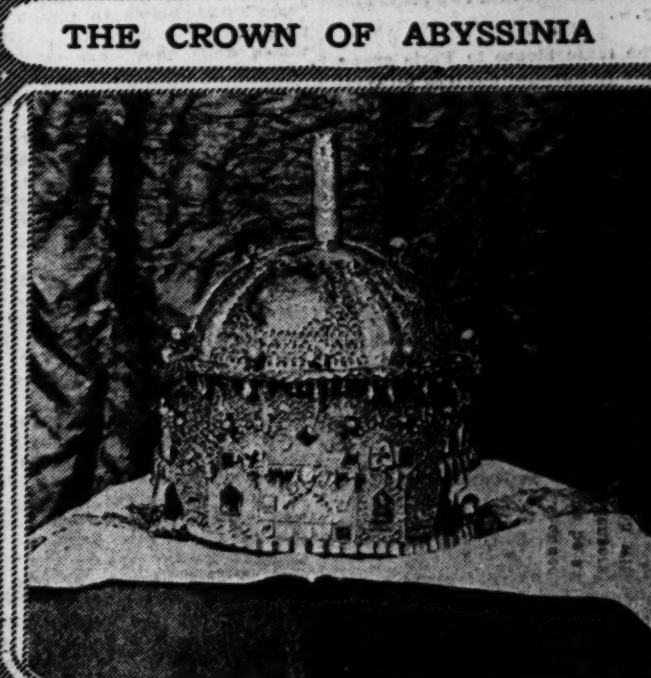
Lord Philmore welcoming the American Cabinet officer to a garden party near London.

## THE "WOMAN EDISON"



## FRANCE'S NEWEST SUBMARINE

The entrance to the house in Langestrasse, Hanover, where Haarmann lived and committed the murders.

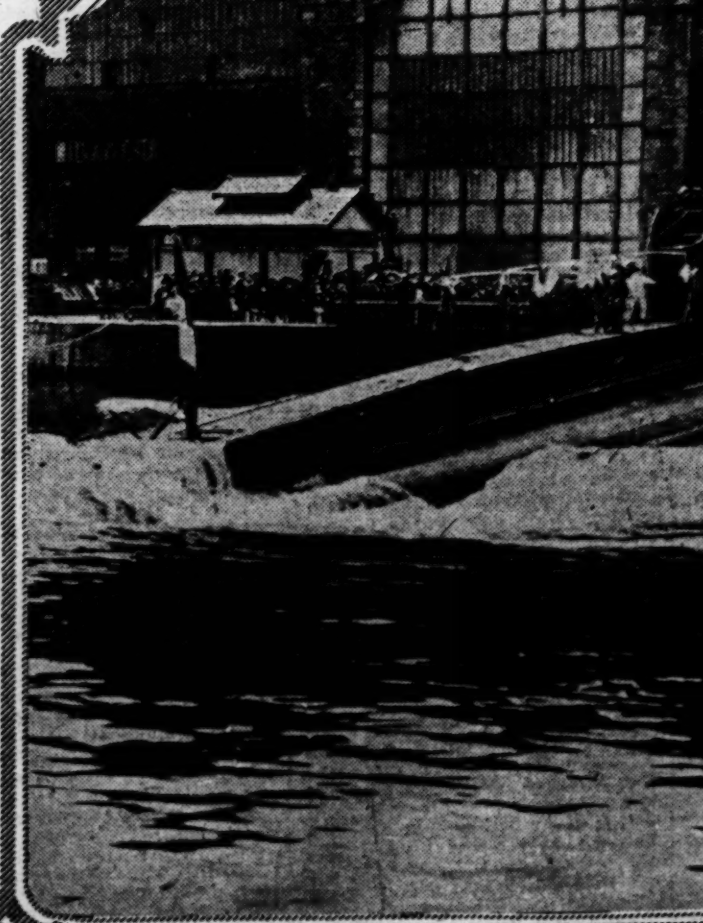


## THE CROWN OF ABYSSINIA

England, it is said, will return this crown which was captured in 1868 by British troops. It is now in the Victoria and Albert Museum.



Miss Beulah Henry of Raleigh, N. C.; who has patented 47 articles, more than double the number issued to any other woman.



This was Haarmann's room, with the bed to which he tied his victims before killing them.

The Requin, being launched at the government works at Cherbourg.



A remarkable photograph of a rear wheel flying off of a car during a race in England. The driver escaped serious injury.

[illegible][illegible]

DERSON & Co.  
 York Stock Exchange  
 Charles St.  
 IS, MO.



## FAIR WEATHER WIVES

By Mildred Barbour

(Copyright, 1924.)

"IT'S THE END."—CHAPTER 6.  
It was an intensely, suffocatingly hot night. An electric storm was brewing in the far west. Thunder rumbled ominously along the rim of the world, and pallid lightning illuminated the premature darkness, revealing the uneasy waters of the Sound.

Dinner in the Bolce-Nevis household had been a strained affair. Mrs. Bolce-Nevis was furious. Her husband had not returned for dinner, nor telephoned, and at nine o'clock, they were both due for a brilliant party in honor of a visiting celebrity. To miss it would break her pretty, shallow heart. To go, unescorted, in the company of Julia or Lella and their respective husbands, would be a humiliation too great to bear.

Over the dessert, her patience snapped, and she peremptorily ordered Dan to prepare to accompany her. Dan had a previous engagement, which he relinquished sulkily.

It wasn't a pleasant meal and Marjorie escaped at her first opportunity. She wandered into the library, strangely oppressed by the approaching storm. As a rule, she loved storms. She liked to watch the lightning cleaving the dark vault of the sky, liked to feel the wind thundering ruthlessly through her hair, liked to think of the thunderbolts as coming mythical Olympus where a giant god vented his petulance.

But tonight, some queer psychic prescience held her in its grip. She felt a significance in the storm, apart from its mere physical demonstration.

She was standing by the French window looking out over the waters of the Sound, now whipped to whitecaps by the rising wind, when a brilliant shaft of lightning and a deafening thunder crash drove her back into the shelter of the room.

When she turned around, her father was standing by the table. She had not heard him enter and one look at his livid face, brought an involuntary cry.

"Dad, you're ill! What is it?" She started toward him, but he waved her away without looking at her. His eyes were strangely fixed on space. His face and lips were bloodless and when he smiled, with apparent effort, it was like the ghastly grin of a death's head.

"Will you—call your mother, please? Ask her to come to the library."

Marjorie sped away, fear tearing at her heart.

Mrs. Bolce-Nevis was in the hands of Mathilda, being made beautiful for the evening festivity.

She stared calmly at her daughter's excited young face, reflected in her dressing-table glass, without turning her head that she spoil the coiffure that Mathilda was deftly constructing.

"What an absurd summons!" she remarked lightly. "Doesn't your father remember that we're due for the Clavington's dance? It would be an affront to miss it. Tell him to dress at once. We can talk in the car going over, if there's anything to discuss."

"But mother, he's very ill. He looks terrible!"

"Nonsense! If he were ill, he'd be getting to bed, not remaining in the library. I know what it is. . . he wants to crawl out of the Clavington party. But he shan't do it this time! I won't go alone. . . her pretty lips set determinedly. "You can tell him so."

Marjorie went back to the library slowly.

Her father was seated at the table, slumped a bit in his chair. A decanter and glass were beside him. He was pouring himself a drink with an unsteady hand and most of the liquor was slopping untidily over the priceless mahogany.

She repeated her mother's message. For a moment, he seemed not to understand. Then he sprang to his feet and his face was terrible.

"Go back to her!" he commanded thickly. "Go back to her and say that she shall come now—or she need never come again!"

Marjorie was frightened. She had never seen her father in this mood. He was a stranger, a terrifying stranger.

She sped to obey his command. Her mother's toilet was complete by that time. She stood before the pier glass, turning this way and that to view herself critically. Marjorie thought she had never seen her younger or lovelier. Her figure was as slim and pliant as a debutante in her gown of orange brocade. The arms and shoulders, revealed by her generous décolletage, were white and unblemished by time. Her pretty, aristocratic little head was carried high with the assurance of beauty and charm.

She shrugged petulantly and made a little move of disgust when Marjorie delivered her message.

"How tiresome! But I suppose I must humor him, if we

don't want to be unforgivably late at the Clavingtons. Come with me, Marjorie, you always have a soothing effect upon your father in his rages."

She slipped her arm playfully through her daughter's and together they entered the library.

Bolce-Nevis was standing where the light shone mercilessly on his ravaged face. He looked at his wife and daughter for a moment silently, while his eyes took in every detail of the former's handsome costume.

"Charlotte," he said slowly, "I'm ruined, cleaned out! I went under today. It's the end!"

(Continued in the Post-Dispatch.)

## FASHION FRILLS

Trimings, whether for head gear or gowns, today in Paris are employing many "naturalism" shades. Brown and sand are popular color combinations as well as black and white and two shades of gray.

The tunic blouse in Paris grows longer and longer till it is difficult to distinguish it today from the frock proper. Also, it grows more elaborate in design, and remains becoming only to the slim.

Large drooping hats of white straw are seen at smart outdoor events at present in Paris. The hats have a very short trimming, a wide band of gay ribbon, preferably moiré.

Coin spots spatter various of the new afternoon frocks in London. These spots, in such colors as purple on a gold background, are really larger than coins and have a spot of deeper color in the center.

The sleeveless costume, for day wear in London, is seldom actually sleeveless. It has a very short sleeve just covering the shoulder.

Ostrich by the yard grows more and more beautiful and varied. There is scarcely a color or width one cannot buy. This trimming is scheduled to remain fashionable for some time to come.

## SAYINGS OF MRS. SOLOMON

By HELEN ROWLAND

MIDDLE AGE, THE BOGEY.

MY DAUGHTER, I charge thee, beware of Middle Age. For it is as a taxicab in the dark, which overtakes a woman and runneth her DOWN without warning.

And not by the number of her years, nor the number of her wrinkles shall she suspect its approach, but by these signs shall she KNOW it.

For lo, Middle Age is the fatal point at which a woman accepteth as a compliment the admiring glance which she once regarded as an impertinence.

When she ceaseth to deny her flirtations and beginneth to boast about them.

When she no longer goeth unto a beauty parlor in order to "kill time," but in order to assassinate it.

When she turneth away from tailor-mades and wearieth of little black turbans and findeth herself yearning after baby-blue frocks and picture hats.

When she believeth all that the beauty specialist telleth her and snappeth at a compliment as a Pomeranian at a bon-bon.

When she cannot decide whether to be shocked at the woman who bobbleth her hair—or to bob her own hair and "fool them a little longer."

When she asketh not that a man's flattery be camouflaged with sincerity, but swalloweth it "straight" and undiluted.

When she preferreth an evening alone with a novel, or at a moving picture, where she may enjoy a vicarious thrill to ANY man's company.

When no man over 40 looketh interesting to her, and she cannot pass by a mirror or a weighing machine without testing it.

When she faceth her mirror defiantly, saying: "Two and two may make four, but forty-two AND two make THIRTY-NINE!"

For a woman looketh cheerfully forward to being an "old lady," but she shuddereeth at the torment of getting there through the Purgatory of MIDDLE AGE!

Yet, Middle Age is life's season of fulfillment, the flowering time of the heart; when the spirit no longer suffereth from the growing pains of youth, and hath not yet begun to suffer the pangs of age.

And WHY hath woman turned it into a bug-a-boo?

SELAM!  
Copyright, 1924.

## Primitive Pottery And Its Return To Fashion's Favor

By WANDA BARTON

THE return to primitive pottery has brought on quite an epidemic of simplicity. Fine linens have given way to coarse but colorful ones, and we have revived the idea of eating, if not in the kitchen, at least next door to it in the breakfast alcove.

Country studio owners are turning out pieces that are copies of the pottery for which their section was famous in early days. The output is naturally small and prices are rather high, but the articles are as a rule charming. The low and squat pitchers with their straight handles and the shallow, deep bowls, which have not the slightest excuse for tipping over, are lovely additions to the collection. Especially attractive are breakfast sets in warm pumpkin yellow, including plates, bowls and pitchers. This yellow ware shows to fine advantage set forth on a tan linen blue embroidered breakfast cloth. Blue cornflowers in thick low vase and red berries in the berry bowl add harmonizing color that not only an artist but the average person as well can appreciate.

The old brown pottery with blue and yellow decorations finds its origin "somewhere" in Pennsylvania, and it is sturdy looking stuff set forth on a natural linen cloth done with conventional brown-line arabesque motifs and a bundle of Dutch pinks in the flower vase in the center.

The old gray and tan pottery, with blue lines or figures from Jersey, is familiar also, for it has never quite gone out of use, though for many years it has been referred to as "kitchen pottery," and has appeared only in bowls, jugs, bean-pots and other humble vessels. Now plates, bowls, teapots and jampots, ramekins and pipkins are appearing in this popular ware, and there are just a few cups and saucers. But they still will too thick to be entirely satisfactory.

Foreign potters have mastered the cup and saucer, which in their pottery is thin enough not to offend the most fastidious taste. In many fashionable country houses pottery sets adorn all the breakfast trays. The French pottery bowls with flat side handles or "ears" and plates to match are used for soup on many exclusive tables and they are expensive enough to require no apology for their presence among the china elect.

Bohemian pottery is boldly colorful. Masses of brilliant colored flowers are used on deep blue grounds with red lines on the edges of the dishes and handles or on yellow backgrounds with deep pink or green lines and handles. A perfect riot of coloring is the result yet none of the colors seem inharmonious together. Perhaps this is on account of the strong color background.

Russian and Polish pottery runs to a creamy ground color well covered with the bold designs. The colors are deep and intensely concentrated and many of the open dishes are decorated inside as well as out. Chinese and Japanese pottery runs to drab and brown ground colors with lines and separate figures or odd designs in one color. There are many odd conceits in tea sets included, which take the form of birds, fish, various deities, household gods, or form diamond, square and other shapes even more unusual.

"Well, I'll tell you the truth. Years ago, when I was a stenographer, I formed a little habit. I used to carry lists of new words written on slips of paper, and when I sat in the street car riding home from work, I used to read and study these new words. Then I made it my business to use them when occasion arose, so they would be part of me."

This business woman went on to explain that that habit of learning and studying new words has clung to her all her life. Whenever she hears a new word she looks it up in the dictionary, writes it down, to familiarize herself with it. The most important thing, she states, about learning a new word is to learn to use it.

"You have to use a word three times before it really belongs to you," declared this business woman. "That is a well known truth. To use a new word casually without self-consciousness, to use it easily on proper occasion demands practice, and one should never hesitate to employ a new word for fear of being embarrassed."

Glad, this is an excellent suggestion that I make to you: Follow the example of this friend of mine and improve your vocabulary by noting all the new words you hear, and making it your business to become familiar with them. It will be of assistance to you in business and in your social life.

The most helpful thing about writing down new words in this way and referring to them in your spare time is that they are yours for all time, once memorized in this way. Saying them, writing them, hearing them, helps fasten them in your mind, and you will be surprised, once you learn a new word, how often you will run across it.

You may say: "I never knew that word before, but since I have learned it I had no special significance because it was unfamiliar to you. You will enrich your vocabulary wonderfully by learning words in your spare time."

It is really because you have not known that word that you have not noticed it before. The chances are that you passed over it many times but it had no special significance because it was unfamiliar to you. You will enrich your vocabulary wonderfully by learning words in your spare time.

There is about 88 per cent of water in milk.

Snow is white because its crystals and prisms reflect only the white light rays.

To be perfectly proportioned a man should weigh 23 pounds for every foot of his height.

## Vignettes of Life—EPICUREAN ECCE VICINITIES



## LEARN EVERY DAY

By RUTH LEIGH

A SUCCESSFUL business woman of my acquaintance is known for her poise of manner, her interesting speech and for her unusually broad vocabulary. Recently I heard a friend ask her frankly how she managed to develop her knowledge of the language to the extent she has. For a moment she hesitated, then answered:

"Well, I'll tell you the truth. Years ago, when I was a stenographer, I formed a little habit. I used to carry lists of new words written on slips of paper, and when I sat in the street car riding home from work, I used to read and study these new words. Then I made it my business to use them when occasion arose, so they would be part of me."

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## ODD FACTS

The custom of throwing rice over a bride and groom is believed to be a survival of the ancient religious practice of the Hindus and Chinese. In the Orient rice is the emblem of fecundity and throwing it on a newly married couple symbolizes bestowing fertility on the bride and groom. The custom still retains some of its original significance in India. The bridegroom throws three handfuls of rice over the bride and the bride does the same over the bridegroom. In this country rice throwing is little more than a joke by friends and neighbors of the bride and bridegroom. In more recent years it has become common on such occasions to use popcorn or confetti instead of rice or other grain. The Romans threw nuts at the wedding pair, while southern Europeans at the present time often use fruits, especially figs.

So far as is known when the Northmen visited Iceland in the ninth century they found no trace of an aboriginal race. However, the island had been previously inhabited by Celts who settled there before 800 A. D. Some Icelandic historians claim that the Celtic colonists were still living on the island when the Scandinavians arrived. But the question is disputed and the general belief is that these Celtic settlers had disappeared before Iceland was discovered by the Norsemen. In any event, books, crozier and other articles found by the early Scandinavians prove that Irish monks had made an attempt to colonize the island. The real history of Iceland dates from 870, when large numbers of Norsemen began to settle there owing to political disturbances in Scandinavia. Only about one-fourth of Iceland is inhabitable and the entire population is only about 35,000.

French farmers whose families have cultivated the same soil for over 300 years are to receive a new deed of title to their land. Over 750 have qualified, the record tenure being since A. D. 772, over 11 centuries.

Among the "bushmen" of Africa, there are no wedding ceremonies. The men make the clothes and the women build the huts. The moon is an object of worship with them.

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## How to Make a Rose Jar for Beauty Fragrance

By LUCREZIA BORI

Famous Spanish Prima Donna

THE old-fashioned rose jar is something we most often associate with the days of our grandmothers, when women took time to prepare sweet-scented pot-pourris that imparted a delicate fragrance to their rooms and their clothing.

It is true that today one finds it easy and quick to step out to the corner drug-store and buy a bottle of one's favorite perfume, and let it go at that.

Women who understand the subtleties of charm know that the faint fragrance of some delicate perfume is an aid not lightly to be dispensed with.

There is distinction in possessing a rose jar which diffuses a delicate fragrance whenever it is left open for a short time. The advantage of the rose jar which I am going to tell you how to prepare is that its scent is so delightful and spicy and different from any other perfume.

And you are sure to enjoy preparing it. Of course all of us do not have flowers growing where we can pick them. But if you are not lucky enough to have a small garden of your own you may be planning to visit in the country on your vacation or you may have some kind friend who will supply you with flowers from her garden.

It is possible to use various flowers of delicate scent, such as violets, heliotrope or verbena, or you may prefer the delightful rose, whose scent is difficult to improve upon.

Pick your flowers in the morning before the dew is off, and put them in some cool and airy nook until the dew has evaporated. Have a large glass jar ready and sprinkle the fragrant petals into it. To every half-inch layer add a generous sprinkling of salt. Leave this in your jar for ten days, taking care that you remember to stir it each morning.

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And you are sure to enjoy preparing it. Of course all of us do not have flowers growing where we can pick them. But if you are not lucky enough to have a small garden of your own you may be planning to visit in the country on your vacation or you may have some kind friend who will supply you with flowers from her garden.

It is possible to use various flowers of delicate scent, such as violets, heliotrope or verbena, or you may prefer the delightful rose, whose scent is difficult to improve upon.

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# DOUBLE PAGE FOR WOMEN

LOUIS POST-DISPATCH, MONDAY, AUGUST 2, 1924.

## N ECCENTRICITIES—By FRANK GODWIN



### THE FAMILY GARDEN

By Wm. A. McKeever

Interest and Authority on Educational and Sociological Subjects.

THREE years ago a group of women, residents of a suburban village, formed what they named "The Garden Club."

The object was "to indulge the instinctive love of the soil and to give the young a taste of the joys of soil culture."

A garden means greater contentment. A home garden brings family together on a common field of interest. Also it is a fact holding neighborhood groups together in a spirit of true friendship.

So the leading sponsor for movement explained, while she told how the idea had spread all the village had made it social, an economic and an artistic affair.

A City Beautiful as a concept, for every child and every citizen, is now the outgrowth of the garden club of 15. "The first consideration of a part of the family unit in the carrying of this interesting affair; then learn to think of his work in vegetable and flower gardens as a factor in the building up of the entire community," one of the members explained.

A good idea takes root and grows. After it has been planted in a fertile mind. An idea of something unselfish and which appeals to the mind of the imagination of the child, an idea which leads off into the field of human thought and endeavor and quickens the sympathy of the busy men and women.

Workshop, store and factory—these are the secret of a healthy race of interest and effort among young.

Where there is no vision, the people perish," says the Old Book. "There is nothing but indulgence to keep your child entertained, and nothing but undirected energy to keep his mind and spirit from wandering." His possible ideals will slowly grow.

The source of plenty, and power lies within the child. But there must be an awakening. Many a man remains little in his thinking, and small in his performance from lack of early guidance and inspiration.

Likewise, many women walk through life dead unto the joy and triumph which might have been theirs had someone only applied their small minds diligently to their own development.

Gardens for the whole family are a superior device for growth of character and for the awakening of subjective spirit, as well as, incidentally, a food-producing institution. Everywhere, I see family groups rushing about in crowded, frantic chasing after the kind of imagined pleasures they find it not. Ten square feet of rich soil managed intelligently is better than a new coupe when it comes to the question of character. Fathers, mothers, get down and out in the living earth. Find joy and joy more abundant and easily hid in the humble soil, and your children to do likewise.

Magdalena the little hat is all black or black and white. It is shown today in Paris is a favorite, almost a cliché except for its very high back, which is ornamented with a large flat bow of black ribbon across the front, held in place by a white buckle.

Famous Women  
ARCHANGELA PALAMIDES  
An Italian historical painter born at Pisa in 1590. She was the daughter of Filippo Palamides, an eminent artist of that day. She was attracted to art. She showed great excellence in painting and also excelled in sculpture and music, and sang with an agreeable person. She was married to the friendship of Magdalena. Archduchess of Austria who lived at Florence and court the artist spent the last of her life.

HE WANTS WHAT HE WANTS WHEN HE WANTS IT AND GETS IT, TOO!

OF COURSE SHE STICKS TO HER GET-THIN-QUICK DIET EATS VERY LITTLE—EXCEPT AT MEAL TIME!

THE END OF A PERFECT DAY FOR THE MIDNIGHT "SNACK" HUNTER

## THE WOMAN OF IT

By MARGUERITE MOOERS MARSHALL

### SUMMER SINNERS—AND SAINTS.

THE girl who passes every ice cream parlor as if she had on blinders when she is with her Scotch uncle, who is making her walk five blocks in the hot sun to the subway—

The girl who gives up her own cool room to sleep on an army cot in the hall when her brother's sweetheart spends the week-end with them—

The girl who misses a motor spin with her best beau to listen to her million-dollar maiden aunt tell how many swains she turned down in her golden youth—

The hostess who says she doesn't care for ice cream when the extra unexpected visitor stays to dinner and there is only a quart—

She's a saint!

The man who wears his last year's suit in order to afford a full line of garden seeds—only to discover that there is a hole in his neighbor's wire fence and he has been feeding the chickens—

The man who buys a two-seated roadster so that the in-laws can't make a chauffeur of him, and whose wife then informs him that her girlhood chum, an old maid school teacher who has come to spend the summer, "just fits in"—

The husband who promises to take the family down to Coney for a shore dinner and a general blowout—then discovers that his wife thought "family" meant all her married sisters and their children—

The husband who sends his wife to the mountains, writes a letter every day and is found cooking Hamburg steak and onions in a two-by-four kitchen when she makes him a surprise visit—

He's a saint!

Copyright, 1924.

## THE RHYMING OPTIMIST

By Aline Michaelis

### THE LACK.

HE saw the loveliness of all the world that, vast, before him lay; that in the petals of the rose was curled up on the grass gleamed green at dawn of day. For him the beauty of the ocean's spray, those evanescent flowers that every wave, remorseless, sweeps away; that, budding, die and blooming, fade all day and on through night's dark hours. Before him passed in endless swift parade the springtime's wealth of bloom, the Summer with sweet-scented cavalcade of fruit and flower, shifting sun and shade, then Fall, with hints of doom; and Winter, glittering in garments white with sparkling flags unfurled, as bright as starbeams through the deeps of night, as lovely as a dream of lost delight, as frozen a fairy world. Not only nature, but the arts as well gave him their priceless dowry; he knew the tales the ancients loved to tell, for him the fabled fields of asphodel were sweet with bud and flower. He owned the riches of the world's lore; its color and its song, and deep he delved into the dim past's store of glories that come down forever through ages slow and long. But having all this treasure without end from nature and from art, paintings and skies that ever-changing bend, stars that grow brighter as night's veils descend, he still was poor at heart. He owned the lesser joy but not the whole, he had no eyes to peer beyond the masks of poverty and dote to glimpse the beauty in a brother's soul, that shines serene and clear.

## Philosophical Phrasings

Youth goes, childhood need never be lost.

Be slow in choosing a friend, but slower in changing him.

Oh, while you live, tell truth and shame the devil.

Small things become a small man.

Steadfastness is the foundation of all virtues.

The voice is the organ of the soul.

Truth gives wings to strength.

That which is necessary is doubly grateful if you offer it of your own accord.

He who follows two hares is sure to catch neither.

Experience bought by suffering is instructive.

Be what you seem to be.

A pleasant countenance is a silent recommendation.

Remember that all things are only opinion and that it is in your power to think as you please.

The man who loses his opportunity loses himself.

Poetry is the music of the soul, and above all of great and feeling souls.

## What to Serve :: Tomorrow ::

### Breakfast

Fresh peaches.  
Oatmeal.  
Scrambled eggs.  
Buttered toast.  
Crisp bacon.  
Coffee, cocoa, milk.

### Dinner

Country Club chicken.  
Sweet potatoes—candied.  
New corn.  
Tomato salad.  
Peach whip.  
Caramel cake.  
Coffee, tea, milk.

### Tea

Cold chicken.  
Peanut butter sandwiches.  
Ice cream.  
Cake.  
Coffee, tea, milk.

### Country Club Chicken

Wash two broiling chickens and cut them in halves or quarters, if they are large enough, wipe them and dip each piece in beaten egg, well seasoned with salt and pepper and mixed with cream. Roll pieces in bread crumbs and place in greased pan, dot generously with butter and place in hot oven for 15 minutes. Now put chicken in hot kettle, cover and let smother and steam for 30 minutes or until tender on a slow fire. Place chicken on hot platter; add half cupful hot cream to gravy in kettle and strain it over chicken.

### Candied Sweet Potatoes

Twelve sweet potatoes, 1 cupful boiling water, brown sugar, one-quarter cupful butter, salt, pepper and powdered cinnamon. Pare and parboil potatoes, cut in halves; boil 10 minutes, drain, lay in greased baking dish. Spread with butter, sprinkle with brown sugar, salt, pepper and cinnamon; pour in boiling water and cook until tender. Baste often with sauce in pan while cooking. Omit cinnamon if desired.

### The Tomato in Salads

By Hannah Wing

A Recognized Authority on Matters Pertaining to Household Management.

THERE is no better way of making use of the tonic vitamin qualities the tomato offers, than to use it in salads. For this purpose the tomato is cool, succulent, and colorful—all desirable qualities in either a salad, vegetable or fruit.

It combines well with any salad dressing—French, mayonnaise, cream or boiled dressings may be used with it. Many variations of these dressings are equally possible to give variety to the tomato salad.

To prepare tomatoes for salads remove the skins by first plunging them into hot water or boiling them over a gas flame. Then thoroughly chill the tomatoes before slicing. This keeps the fruit firm and removes insipidity of flavor.

Several tomato salads make use of the tomato cups which are made by scooping out the center or flesh of the fruit. These cups may be filled with any one of a variety of mixtures. Walnut or pecan meats and diced celery or chopped chicken or tongue with peas, olives, capers and gherkins, or chopped cucumbers alone combined with mayonnaise or boiled dressing give tomato salads of distinctly different types.

With French dressing, thin slices of tomato and Bermuda onions and finely chopped pepper or dress make an excellent salad provided the vinegar used in the dressing has a tarragon flavor.

Hard-cooked eggs and tomatoes offer good luncheon salads. Although there are many ways of combining these two foods in salad form, one of the best-looking salads is made by placing quarters of the hard-cooked eggs between quarters of the tomatoes on leaves of hearts of lettuce. A strip of tomato may be used both as a garnish for each quarter of egg and to hold it together.

Tomato cups filled with an aspic jelly made with a white stock, seasoned with onion and capers, offer possibilities as a decorative salad. Chopped sweetbreads, chicken, veal, tongue, ham or calves' brains may be added to the aspic as desired.

### ADVERTISING.

### FORTITCHING TORTURE

Use Antiseptic Liquid Zemo

There is one remedy that seldom fails to stop itching torture and relieve skin irritation, and that makes the skin soft, clear and healthy.

Any druggist can supply you with Zemo, which generally cures skin diseases. Eczema, itch, pimples, Rash, Blackheads, in most cases give way to Zemo. Frequently, minor blemishes disappear overnight. Itching usually stops instantly. Zemo is a safe, antiseptic liquid, clean, easy to use and dependable. It costs only 35c; an extra large bottle, \$1.00. It is positively safe for tender, sensitive skins. Zemo Soap, 25c—Zemo Ointment, 50c.

# Children's Stories :: Household Hints

## Children's Bedtime Story :: By THORNTON W. BURGESS

### The Little Happy Jack Pays for His Foolishness

For foolishness you'll have to pay Tomorrow if you don't today.

—Old Mother Nature.

THE foolish little Happy Jack, who had managed to jump from his own home tree over to a branch of another tree, was in high spirits. He had had a bad fright, when he so nearly fell, but this he soon forgot. Here was a tree he had never been in, a tree to explore all by himself. He felt as if he really were out in the Great World.

He explored every branch of that tree. He had one disappointment; there was no hollow in that tree. Because the only tree he knew was his own home tree, and that had a snug hollow in the trunk, he had supposed that all trees had snug hollows in the trunks. But this tree hadn't even a knothole in it. This was disappointing. You see that foolish Happy Jack had thought it would be great fun to pretend to have a home of his own.

By and by he grew tired. He grew tired and sleepy. He thought of going back home, but somehow he wasn't quite ready to yet. So he curled up in a crotch and went to sleep. It was late in the afternoon when he awoke. At first he couldn't think where he was. He couldn't remember having waked up before to find himself alone. It gave him a queer feeling, rather a frightened feeling. He hastily scrambled to his feet. He would return home at once.

He scrambled out along the branch which reached over nearest to his own home tree. It was the branch to which he had jumped when he came over to that tree. When he got out near the tip of that branch he made a discovery. It wasn't a pleasant



Again he dodged around the trunk.

discovery. In fact it quite upset him. That branch was a little bit below the branch of his home tree from which he had jumped. When he had jumped over he had jumped down. To get back he would have to jump up. He couldn't make that jump. He knew it. He didn't dare even try it.

"Oh dear!" whimpered the foolish little Happy Jack. "Oh dear! What shall I do now? However shall I get back there?"

He looked around him anxiously. Some of the earliest of the Black Shadows were beginning to creep into the Green Forest. They gave him little chills of fear. He looked down to the ground. What a long way down it was. A fall from that height might kill him. No, he couldn't jump back to his own home tree.

Then his common sense awoke. "Why all I've got to do is to run down the trunk of this tree, scamper across the ground to the trunk of my own home tree and climb up," thought he. With this

thought he turned to scamper back along that branch. Just as he reached the trunk he heard a sharp swishing sound. Without really knowing what he was doing he dodged around the trunk, clinging fast to it. He was just in time. A great bird, the biggest bird he had ever seen, swept over where he had been only a second before. That swishing sound had been made by the great, broad wings of this bird. Such claws as he had! The foolish young Happy Jack hadn't dreamed that there could be such great claws anywhere in the Great World. But he didn't have time to think about them. Already that great bird was coming back, and those great claws were reaching for him. Again he dodged around the trunk, the most frightened little Happy Jack in all the Great World.

(Copyright, 1924.)

## NOTES ABOUT WOMEN

The largest percentage of the women now in the German Reichstag are affiliated with the Socialist delegation.

Springing into authorship and fame at the age of 27, Edith Wharton shows no signs of faltering at the age of 62.

Though only 38 years of age, Mrs. Michael Comerfort, wife of a Keyport, N. J., farmer, has had 24 children.

One of the most exclusive shoe shops in Paris is operated by an American girl, Miss Mary Bendelart of Cleveland, O.

Mayor Bader of Atlantic City has ruled that women will no longer be allowed to smoke in public at the summer resort.

## HOUSEHOLD SUGGESTIONS

### An Even Cake.

When pouring batter into the layer cake pans, fill the sides well and, if possible, leave a slight depression in the middle. The center of a cake always bakes first and in this manner a cake straight across the top is assured.

### Removes Obsolete Stains.

So often we rent or buy a home where the bathroom fixtures have been neglected and ugly yellow stains are on basin and tub. These can be removed by applying muriatic acid. Tie a rag on the end of a stick and apply with this, as the acid must not get on the hands.

### Worth Remembering.

Keep the sewing machine cleaned and oiled if you wish good service. Tea and coffee should be kept in air-tight containers to keep their flavor.

A rubber mat under the dish pan in the sink will prevent the pan from scratching the enamel.

Stewed chicken is very attractive served on an oval platter with a rim of tiny baking powder biscuits around the edge.

The ostrich tips with which everything, from wrist bags to negligees, is now decorated in London are becoming more and more ornate. One of the new ideas is to give the ostrich a chinchilla effect on the wings while the body of the plume is in a deep, strong color.

YOUR FAMILY LIKES SKINNER'S The Superior SPAGHETTI

Clear Your Skin Of Disfiguring Blemishes Use Cuticura

# 52% GREATER COVERAGE THROUGH EVENING NEWSPAPERS

## Shown by an Analysis of 21 Cities

In developing the facts contained in this advertisement the Evening Newspapers listed were compared with the first morning newspaper in each of the cities:

St. Louis Post-Dispatch  
New York Journal  
Chicago Daily News  
Philadelphia Bulletin  
Detroit News  
Cleveland Press  
Boston Globe (E)  
Baltimore Sun (E)  
Pittsburgh Press  
Los Angeles Herald  
Buffalo News  
San Francisco Call-Past  
Milwaukee Journal  
Washington Star  
Newark News  
Cincinnati Times-Star  
New Orleans Item  
Minneapolis Journal  
Kansas City Star  
Seattle Times  
Indianapolis Star

The largest EVENING newspapers in the first 21 cities of the United States have a combined city circulation of 3,192,980. The first morning newspapers in these same cities have a city circulation of only 2,095,639—or 1,097,341 less than the larger evening newspapers.

This nation-wide comparison shows clearly that EVENING newspapers are the first choice of the Great American Public.

Throughout the United States these EVENING newspaper readers have created and continue to maintain COMPACT circulations in their home cities.

For years there has been this pronounced preference for the EVENING newspaper in St. Louis, where the Post-Dispatch far outsells the morning newspaper in every section of the city—covering BOTH mass and class sections.

Because the vast majority of readers prefer the Big EVENING newspaper, it is in the evening that newspapers receive the undivided attention of the entire family—a time when advertising messages register their greatest influence to action.

# POST-DISPATCH FIRST IN ST. LOUIS



MOVIE OF A WOMAN ON A HOT DAY — By BRIGGS



The Man on the Sandbox by L. Cowan

THE UMP.

THE ump, a mighty man is he. He's pert and cocky as can be. His voice is loud and strong. Although his work seems full of flaws I know he must be right because The ump can do no wrong.

He rules the game with iron hand And takes a firm determined stand. From which he will not budge. Though long and loud the players kick. To his decisions he will stick. For he's the final judge.

Although we cannot get along Without or with him, right or wrong. His presence we endure. Because, when all is said and done, He may be some poor mother's son. Who once was young and pure.

TOO TRUE.

The dyes may feel pretty cocky over the defeat of Al Smith but the scowling vote is not to be sneezed at.

It cost a St. Louis fan 25 bucks to take a crack at an umpire. He must have got a cut rate. It costs a ball player that much to look cross-eyed at one.

The Browns must have an evenly balanced team judging by the way they are hovering around that 50-50 mark.

The man on the sandbox says you don't have to be a judge to try a case of Scotch.

POOH POOH.

The head of the American Automobile Association says that auto-

mobile fatalities have been exaggerated for sensational effect. Quite so. While it is true that 96,000 people have been killed by automobiles during the last 18 months, look at the thousands upon thousands who have never been even injured by an automobile.

Not to mention the thousands of denizens of the backwoods who have never been exposed to the menace.

Besides, how many of those 96,000 would be alive today if they had stayed on the sidewalk or in the house where they belonged.

The fact that the pedestrian pays his share towards the upkeep of the streets doesn't entitle him to use them except when there happen to be no automobiles around. How does he get that way?

"Ambrose, Movie Dog, Is Dead." Too bad. Not a scandal was ever connected with his name and nobody knew whether he got a dollar a week or a million.

We will believe that Eddie Roush is going to Europe with the Giants when we see him on the boat. That old holdout habit is hard to conquer.

"Brick" Owens had no objection to Bub McMillan running for Hank Severid, but he wouldn't let him bat for him. You never can tell what an umpire will do until he does it.

But the funny part of it all was that "Brick" admitted that he "pulled one." This will probably stand as a world's record.

As to "boners," many are made but few admitted.

FAVORITE STORIES

By Irvin S. Cobb

BARRING OUT THE PATRONS.

TWO newly-landed Irishmen—let us call them for the sake of novelty, Pat and Mike—paid their first visit to an American theater. They had examined the posters in the lobby and after pooling their finances decided to take a chance. As purse-bearer and spokesman, Pat approached the box office.

"How much to get in?" he asked. "Prices are two dollars, one-fifty, one dollar and fifty cents apiece," said the treasurer. "Gimme two of them fifty-cent wans." "Here your are. That lets you into the gallery. That's upstairs, understand. Go outside into the alley and go in that way."

When the performance was nearing its conclusion, Pat appeared at the wicket and demanded the money back on the ground that he and his partner had not been able to secure admission.

"Go chase yourself," said the ticket-seller. "The entrance was there for you and if you fellows didn't use it that's no fault of mine." Pat went away and returned with a policeman. After he had made his complaint and the theater man had told his story, the officer said:

"It sounds peculiar. I'll look into this thing. Where's this pal of yours?"

"Still out in that alley."

"Let's go out there, all three of us."

All of them went. Sure enough, there was Mike, wearily but patient and leaning against the side wall.

"How long have you guys been standin' out here?" asked the policeman.

"Iver since 8 o'clock."

"Well, why didn't you walk in and see the show?"

Together the two aliens pointed out to where a fire-escape ladder sagged down the high wall and ended, one flight above the earth.

"They wouldn't let down the steps for us," stated both complainants in chorus.

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WHY DO THEY KEEP REMEMBERING YOU ALL THE TIME?—By RUBE GOLDBERG

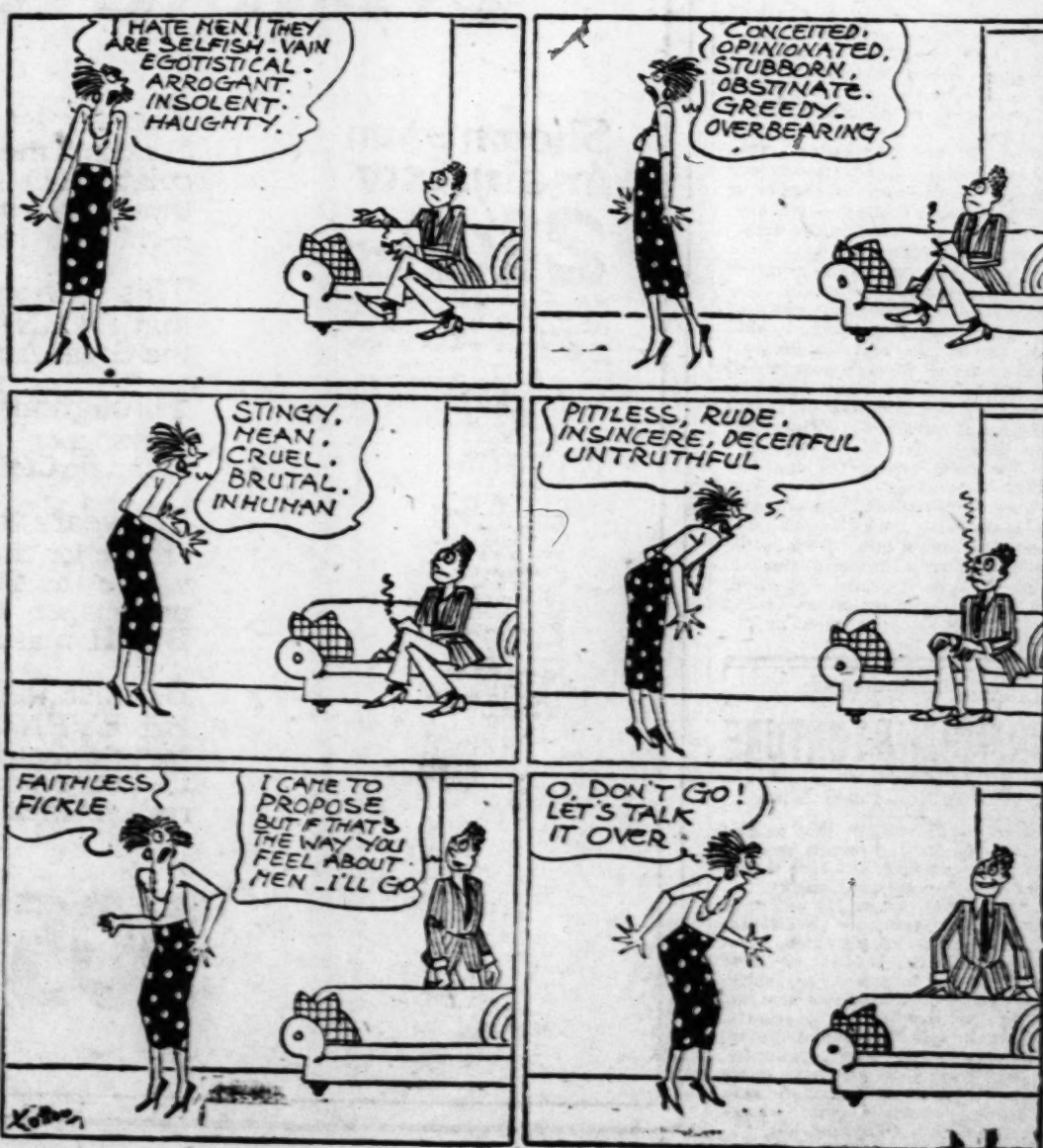
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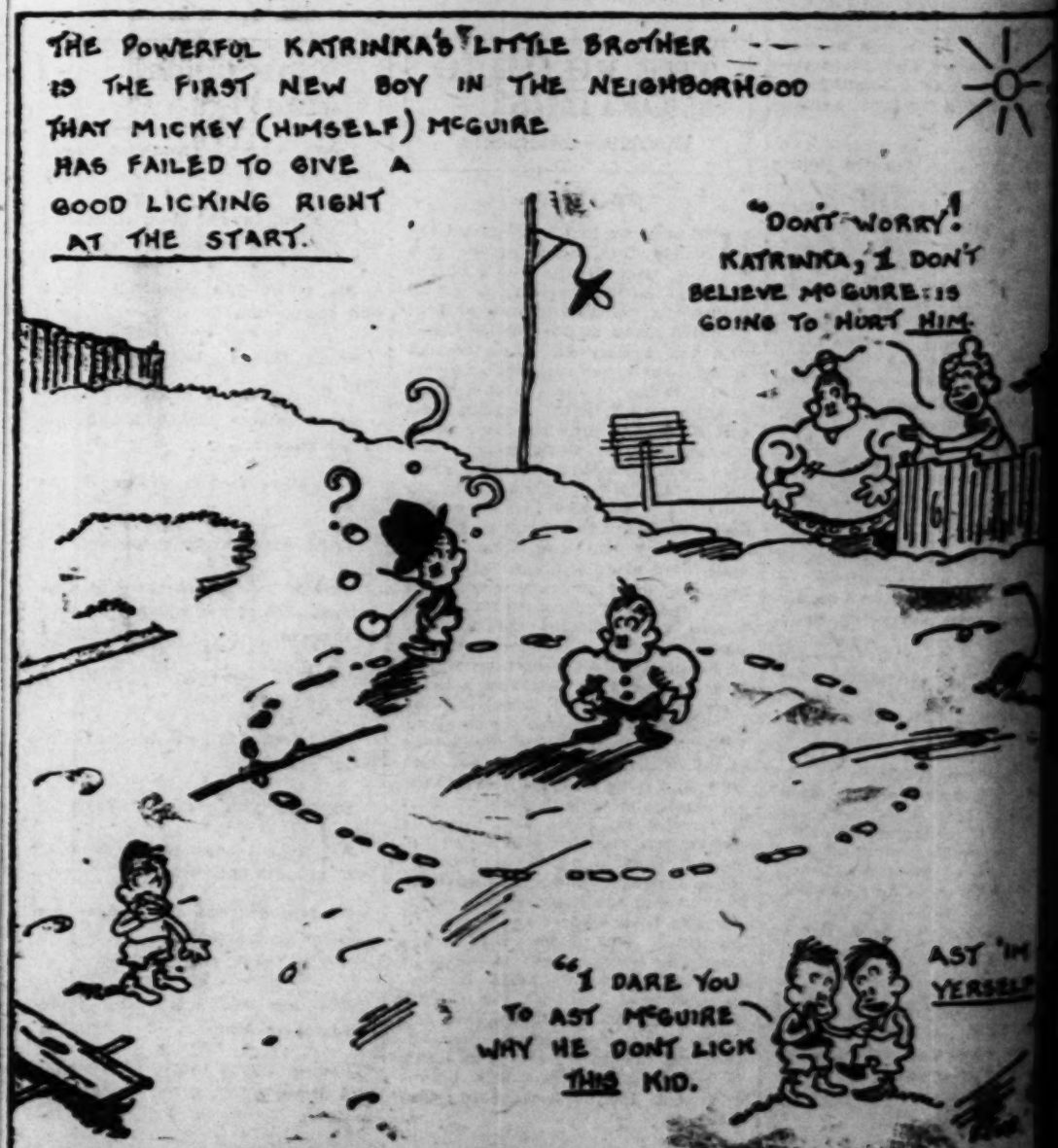
KRAZY KAT—By HERRIMAN



CAN YOU BEAT IT?—By KETTEN



THE POWERFUL KATRINKA'S LITTLE BROTHER—By FOX







ST. LOUIS POST-DISPATCH

# WEEKLY RADIO GUIDE

BROADCASTING PROGRAMS OF PRINCIPAL STATIONS

SECTION of the ST. LOUIS POST-DISPATCH  
SATURDAY, AUGUST 2, 1924.

## MARCONI PREDICTS NEW ERA IN WORLD COMMUNICATION

Much interest has been aroused by Senator Marconi's recent successful experiments conducted with low power, short wave transmitting apparatus. From the Poldhu sending station in Cornwall, spoken messages were distinctly heard in New South Wales. These were signals which, the Senator says, could be picked up by any reasonably efficient receiver. Moreover, he claims that through the aid of reflectors, these short waves can be directed at will similar to beams of light, in any desired direction. As a result of this achievement, Senator Marconi predicts a new era in world communication. The London Telegraph tells the story of the experiment in the following words:

SENATOR MARCONI, in the notable paper read by him before the Royal Society of Arts, has given the fullest account made public as yet of his researches during the past eight years into the possibilities of what is known as short-wave directional wireless telegraphy, or, more briefly, "beam wireless." It had been known for some considerable time among experts that the pioneer of practical wireless telegraphy had been working along new lines and achieving remarkable results. It is exactly a month since the most astounding event of wireless miracles was recorded in the news that telephonic messages spoken at the Poldhu station in Cornwall had been heard with perfect clearness by an official of the Australian Marconi Co. in a private house in the capital of New South Wales. The words, said our correspondent in Sydney, "might have been spoken from the next street." The same messages were heard in Montreal, and Senator Marconi informed a representative of this journal, on the following day, that "any fairly and reasonably efficient receiver would have received the message." This triumph, then, represented only one aspect of the marvelous success achieved in this year's experiments. The year's long-distance experiments, that is to say, the first wireless telephonic message ever received in Australia, or at any such distance, was not "directional" but was broadcast all over the globe in the usual manner, the only difference being that a short wave-length of no more than 100 meters—was employed, with the power of about 30 kilowatts. The significance of this may be gathered when it is understood that the longest-distance transmission hitherto has been carried out with a wave-length of 20,000 meters and a power of 100 kilowatts by the few "super-stations" equipped to undertake such an "operation." This is one discovery—the

generally unsuspected fact that the shorter wave-length with the lower power gives far better results than the system upon which the activity of wireless development has been concentrated hitherto. This by itself implies a revolution in the technique of long-distance wireless, and an immense reduction in the costs of operating it.

in use, and Senator Marconi's yacht Electra, where a receiver without reflector was installed. The power employed for the short wave-length was no more than 12 kilowatts, as compared with 1000 kilowatts which would have been required for similar distances by the method hitherto practiced; and the signals received at a distance of 820

the weakening of long-distance signals during the day has been found to bear a direct mathematical relation to the distance and altitude of the sun, the light of which has always been supposed to be accountable in some way for that observed phenomenon.

Another fact of the utmost practical significance is that with the short wave-length there is far greater speed of transmission than is possible with the long wave-length; and in addition to this, several services can be operated at the same time on a single aerial. Again, by the use of reflectors the liability to "atmospherics" and other interruptions is reduced almost to nothing. To sum the matter up, the experiments conducted by Senator Marconi and his assistants, Mr. C. S. Franklin and Mr. G. A. Mathen, have opened a new era in the use of wireless, both in the range and reliability of its working and in the cost thereof. Mr. Plisk, who received the historic message in Sydney, went so far as to say that the new system would render obsolete all the present "super-stations," equipped as they are for an immensely more expensive and much less efficient method of transmission. Senator Marconi puts the matter thus: "By means of this system, economical and efficient low-power stations can be established which will maintain direct high-speed services with the most distant parts of the globe during a considerable number of fixed hours per day." What this means for the British Empire in particular he also pointed out, saying that "by means of these comparatively small stations a far greater number of words per 24 hours could be transmitted than would be possible by means of the previously-planned powerful and expensive stations."

### K S D TO BROADCAST ACCEPTANCE SPEECH OF JOHN W. DAVIS

THE first formal political utterances of John W. Davis, since the national Democratic Convention, will be his speech accepting the nomination of his party for President of the United States. This speech is scheduled for the evening of Monday, August 11, and will be delivered in Clarksburg, West Va. The entire ceremony—the music, the words of the chairman of the notification committee, and the acceptance of the nominee, will be broadcast by the Post-Dispatch by means of direct microphonic line, just as K S D broadcast both the Republican and Democratic national conventions and the address of President Coolidge to the members of Congress, last December, at the beginning of the winter session.

K S D listeners heard both national conventions name their candidates for President. They will next hear, when K S D resumes night broadcasting on the evening of August 11, the acceptance of one of the candidates and an outline of his views, for the very first time, on the issues before the electorate.

The exact time of broadcasting will be announced later.

The second discovery is that it is possible, by the use of a device named by Senator Marconi a "reflector," to send out wireless waves in a particular direction only, the effect of the power employed being, by means of the same device, very greatly increased, in a manner comparable to the increase of the intensity of light by means of the concave mirror of a searchlight. The theoretical possibility of this was demonstrated by Senator Marconi 20 years ago, but the difficulty of producing the short-wave lengths, with which alone reflectors can be employed, rendered the device impracticable at the time. He now calculates that, when reflectors are in use at both ends, "the value of the energy received is 200 times that of the energy which could be received without reflectors." What this means in practice is shown in his statement that, when no more than one kilowatt of energy was being employed at the transmitting station, "reliable commercial services could be carried out over at least 2300 nautical miles for a large proportion of hours out of the 24." The experimental tests which have led him to this amazing result were described by him in detail in his paper. A long series of tests was carried out during April, May and June of last year between Poldhu, where a reflector was



### SHAGWAG TO HAVE AIR MAIL

SHAGWAG, N. Y., Aug. 2.—(AP.)—The first air mail flight from New York to Shagwag, N. Y., will be made by the Shagwag Air Mail Co. on Aug. 10. The flight will be made by a biplane, and will take about 15 minutes. The Shagwag Air Mail Co. was organized by the Shagwag Air Mail Co. and will operate a regular air mail service between New York and Shagwag, N. Y.

### SMITH AND WADE FORCED BACK AFTER 60-MILE START

By ARTHUR E. MANN.  
A Staff Correspondent of the Post-Dispatch and New York World.  
The two men, who had been in the lead since the start of the race, were forced back after 60 miles. The race was held on the 2nd of August, and the two men, Smith and Wade, were forced back after 60 miles. The race was held on the 2nd of August, and the two men, Smith and Wade, were forced back after 60 miles.

### Send Concerts Today

Concerts today at Union Square, at 8:00 p.m. and at 10:00 p.m. The concert at 8:00 p.m. will be given by the Union Square Orchestra, and the concert at 10:00 p.m. will be given by the Union Square Orchestra.





ST. LOUIS POST-DISPATCH

# WEEKLY RADIO GUIDE

BROADCASTING  
PROGRAMS OF  
PRINCIPAL STATIONS

SECTION of the ST. LOUIS POST-DISPATCH  
SATURDAY, AUGUST 2, 1924.

## MARCONI PREDICTS NEW ERA IN WORLD COMMUNICATION

Much interest has been aroused by Senator Marconi's recent successful experiments conducted with low power, short wave transmitting apparatus. From the Poldhu sending station in Cornwall, spoken messages were distinctly heard in New South Wales. These were signals which, the Senator says, could be picked up by any reasonably efficient receiver. Moreover, he claims that through the aid of reflectors, these short waves can be directed at will similar to beams of light, in any desired direction. As a result of this achievement, Senator Marconi predicts a new era in world communication. The London Telegraph tells the story of the experiment in the following words:

SENATOR MARCONI, in the notable paper read by him before the Royal Society of Arts, has given the fullest account made public as yet of his researches during the past eight years into the possibilities of what is known as short-wave directional wireless telegraphy, or, more briefly, "beam wireless." It had been known for some considerable time among experts that the pioneer of practical wireless telegraphy had been working along new lines and achieving remarkable results. It is exactly a month since the most astounding event of wireless miracles was recorded in the news that telephonic messages spoken at the Poldhu station in Cornwall had been heard with perfect clearness by an official of the Australian Marconi Co. in a private house in the capital of New South Wales. The words, said our correspondent in Sydney, "might have been spoken from the next street." The same messages were heard in Montreal, and Senator Marconi informed a representative of this journal, on the following day, that "any fairly and reasonably efficient receiver would have received the messages." This triumph, then, represented only one aspect of the marvelous success achieved in this year's and last year's long-distance experiments. What is to say, the first wireless telephone message ever received in Australia, or at any distance, was not "directional," but was broadcast all over the globe in the usual manner, the only difference being that a short wave-length of no more than 100 meters—was employed, with the power of about 30 kilowatts. The significance of this may be gathered when it is understood that the longest-distance transmission hitherto has been carried out with a wave-length of 20,000 meters and a power of 1000 kilowatts by the few "super-stations" equipped to undertake such an operation. This is one discovery—the

generally unsuspected fact that the shorter wave-length with the lower power gives far better results than the system upon which the activity of wireless development has been concentrated hitherto. This by itself implies a revolution in the technique of long-distance wireless, and an immense reduction in the costs of operating it.

in use, and Senator Marconi's yacht the *Electra*, where a receiver without reflector was installed. The power employed for the short wave-length was no more than 12 kilowatts, as compared with 1000 kilowatts which would have been required for similar distances by the method hitherto practiced; and the signals received at a distance of 20

the weakening of long-distance signals during the day has been found to bear a direct mathematical relation to the distance and altitude of the sun, the light of which has always been supposed to be accountable in some way for that observed phenomenon.

Another fact of the utmost practical significance is that with the short wave-length there is far greater speed of transmission than is possible with the long wave-length; and in addition to this, several services can be operated at the same time on a single aerial. Again, by the use of reflectors the liability to "atmospherics" and other interruptions is reduced almost to nothing. To sum the matter up, the experiments conducted by Senator Marconi and his assistants, Mr. C. S. Franklin and Mr. G. A. Mathies, have opened a new era in the use of wireless, both in the range and reliability of its working and in the cost thereof. Mr. Fisk, who received the historic message in Sydney, went so far as to say that the new system would render obsolete all the present "super-stations," equipped as they are for an immensely more expensive and much less efficient method of transmission. Senator Marconi puts the matter thus: "By means of this system, economical and efficient low-power stations can be established which will maintain direct high-speed services with the most distant parts of the globe during a considerable number of fixed hours per day." What this means for the British Empire in particular he also pointed out, saying that "by means of these comparatively small stations a far greater number of words per 24 hours could be transmitted than would be possible by means of the previously-planned powerful and expensive stations."

### K S D TO BROADCAST ACCEPTANCE SPEECH OF JOHN W. DAVIS

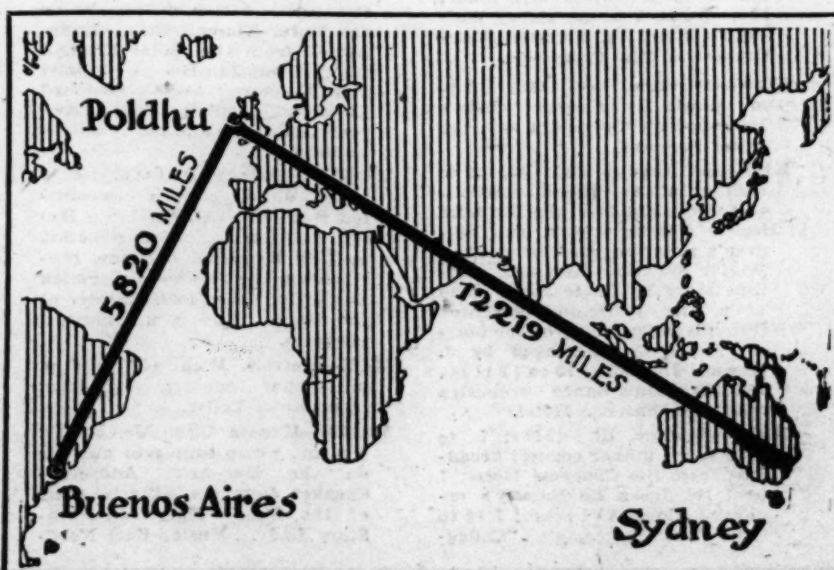
THE first formal political utterances of John W. Davis, since the national Democratic Convention, will be his speech accepting the nomination of his party for President of the United States. This speech is scheduled for the evening of Monday, August 11, and will be delivered in Clarksburg, West Va. The entire ceremony—the music, the words of the chairman of the notification committee, and the acceptance of the nominee, will be broadcast by the Post-Dispatch by means of direct microphonic line, just as K S D broadcast both the Republican and Democratic national conventions and the address of President Coolidge to the members of Congress, last December, at the beginning of the winter session.

K S D listeners heard both national conventions name their candidates for President. They will next hear, when K S D resumes night broadcasting on the evening of August 11, the acceptance of one of the candidates and an outline of his views, for the very first time, on the issues before the electorate.

The exact time of broadcasting will be announced later.

The second discovery is that it is possible, by the use of a device named by Senator Marconi a "reflector," to send out wireless waves in a particular direction only, the effect of the power employed being, by means of the same device, very greatly increased, in a manner comparable to the increase of the intensity of light by means of the concave mirror of a searchlight. The theoretical possibility of this was demonstrated by Senator Marconi 20 years ago, but the difficulty of producing the short-wave lengths, with which alone reflectors can be employed, rendered the device impracticable at the time. He now calculates that, when reflectors are in use at both ends, "the value of the energy received is 200 times that of the energy which could be received without reflectors." What this means in practice is shown in his statement that, when no more than one kilowatt of energy was being employed at the transmitting station, "reliable commercial services could be carried out over at least 2300 nautical miles for a large proportion of hours out of the 24." The experimental tests which have led him to this amazing result were described by him in detail in his paper. A long series of tests was carried out during April, May and June of last year between Poldhu, where a reflector was

miles with the whole of Spain intervening between transmitter and receiver, were as strong as those received in Falmouth Harbor, only 12 miles from Poldhu. At the Cape Verde Islands, distant 2230 miles from Poldhu, the signals at night came through in unabated strength. It is a highly important detail of Senator Marconi's investigation that





## RADIO PROGRAMS OF PRINCIPAL STATIONS

CKAC—MONTREAL,  
CANADA.  
(425 METERS)

**TUESDAY, AUG. 5.**  
7 p. m.—Kiddies' stories in French and English.  
7:30 p. m.—Dinner concert from the Mount Royal Hotel main dining room, featuring Rex Battle.  
8:30 p. m.—White Star Line S. S. orchestra.  
10:30 p. m.—Mount Royal Hotel Roof Garden dance orchestra, directed by Joseph C. Smith.

**WEDNESDAY, AUG. 6.**  
7 p. m.—Kiddies' story in French and English.  
7:30 p. m.—Rex Battle and his Mount Royal Hotel orchestra.  
8:30 p. m.—La Presse studio entertainment.  
10:30 p. m.—Joseph C. Smith and his Mount Royal Hotel Roof Garden dance orchestra.

KDKA—PITTSBURG, PA.  
(326 METERS)

**SUNDAY, AUG. 3.**  
10 a. m.—Services of the First Presbyterian Church, Pittsburgh, Pa.  
1:45 p. m.—Concert.  
5:15 p. m.—Baseball scores.  
6:30 p. m.—Dinner concert by the Pittsburgh Athletic Association orchestra, Gregorio Scalzo, director.  
7:30 p. m.—Radio chapel service, conducted by the Rev. A. Brodley, East.

**MONDAY, AUG. 4.**  
5:30 p. m.—Dinner concert by the KDKA Little Symphony Orchestra, Victor Saudek, conductor.  
6 p. m.—Baseball scores; dinner concert continued.  
8 p. m.—Concert by the United Concert company.  
9:55 p. m.—Arlington time signals; weather forecast; baseball scores.

**TUESDAY, AUG. 5.**  
8 p. m.—Concert by the KDKA Little Symphony Orchestra, Victor Saudek, conductor; Alma Trambolin, soprano; Dr. H. L. Malone, baritone.  
9:55 p. m.—Arlington time signals; weather forecast; baseball scores.  
10 p. m.—Concert.

**WEDNESDAY, AUG. 6.**  
8 p. m.—Concert by the Hungarian Singing Society; Rose and Gisella Pallos, soloists; Charles Pallos, violinist.  
9:55 p. m.—Arlington time signals; weather forecast; baseball scores.

**THURSDAY, AUG. 7.**  
8 p. m.—Concert by the KDKA Little Symphony Orchestra, Victor Saudek, conductor; Valerie Chamberlain, soprano; Carry Mayer, contralto and accompanist.  
9:55 p. m.—Arlington time signals; weather forecast; baseball scores.  
10 p. m.—Concert.

**FRIDAY, AUG. 8.**  
8 p. m.—Concert by the KDKA Serenaders; saxophone quartet and the Davis male quartet.  
9:55 p. m.—Arlington time signals; weather forecast; baseball scores.

**SATURDAY, AUG. 9.**  
8 p. m.—Concert by the Westinghouse Band; T. J. Vastine, conductor.  
9:55 p. m.—Arlington time signals; weather forecast; baseball scores.

KFI—LOS ANGELES, CAL.  
(469 METERS)

**SUNDAY, AUG. 3.**  
10 to 10:45 a. m.—Los Angeles Church Federation service.  
7:30 to 8 p. m.—Metropolitan Theater program.  
8 to 9 p. m.—Ambassador Hotel Concert Orchestra.  
9 to 10 p. m.—Musical program presented by Floryane Thompson.  
10 to 11 p. m.—Orchestra program.

**MONDAY, AUG. 4.**  
5:30 to 6 p. m.—Lecture by Elmer S. Nelson on "Recent Economic Ten-

dencies in the United States and Europe."  
8 to 9 p. m.—Evening Herald Radiolans Dance Orchestra.  
9 to 10 p. m.—Program by Thomas Taylor Drill, basso, and assisting artists.  
10 to 11 p. m.—Ambassador Hotel Coconut Grove Orchestra.

**TUESDAY, AUG. 5.**  
5:30 to 6 p. m.—Garden hints by H. A. Marks.  
6:45 to 8 p. m.—Aeolian Organ recital.  
8 to 9 p. m.—Ambassador Hotel Coconut Grove Orchestra.  
9 to 10 p. m.—Program presented by Earl Houk.

**WEDNESDAY, AUG. 6.**  
5:30 to 6 p. m.—Educational talk by Dr. Ralph L. Power, educator and sky crier of the Examiner.  
9 to 10 p. m.—Wampus night. Film stars, Hollywood celebrities, motion picture officials.  
10 to 11 p. m.—Hollywoodland Community Orchestra.

**THURSDAY, AUG. 7.**  
5:30 to 6 p. m.—Lectures, news and comment.  
8 to 9 p. m.—Ambassador Hotel Coconut Grove Orchestra.

**FRIDAY, AUG. 8.**  
5:30 to 6 p. m.—Lecture by Judge John L. Fleming of the Superior Court.  
9 to 10 p. m.—Spanish program: Jose Arria's Mexican string orchestra; Katherine Stillwell, soprano, accompanied by Grace Eaton Dow.  
10 to 11 p. m.—Instrumental program.

**SATURDAY, AUG. 9.**  
5:30 to 6 p. m.—Vesper services under the auspices of the Lutheran churches of Los Angeles and vicinity.

connected with the Missouri State prano, arranging concert.  
9 to 10 p. m.—Program presented by Anita Arlin, prima donna, and singing artists.  
10 to 11 p. m.—Popular song program.  
11 to 12 p. m.—Ambassador Hotel Coconut Grove Orchestra.

KGO—OAKLAND, CAL.  
(312 METERS)

**SUNDAY, AUG. 3.**  
3:30 p. m.—Concert by KGO Little Symphony Orchestra and soloists, Rhodamel conducting.

**MONDAY, AUG. 4.**  
4 to 5:30 p. m.—Henry Halstead, Hotel St. Francis dance orchestra, San Francisco.  
8 p. m.—Educational program, with musical numbers. Courses in Agriculture, Spanish, Music, Economics and Literature.

**TUESDAY, AUG. 5.**  
4 to 5:30 p. m.—Concert orchestra Hotel St. Francis, San Francisco, directed by La Ferrara conducting.

**WEDNESDAY, AUG. 6.**  
4 to 5:30 p. m.—Concert orchestra Hotel St. Francis, San Francisco, directed by La Ferrara conducting.  
8 p. m.—Part one, given by Boy's American Legion, Post No. 83, Menlo Park, Cal.

**THURSDAY, AUG. 7.**  
4 to 5:30 p. m.—Concert orchestra Hotel St. Francis, San Francisco, directed by La Ferrara conducting.  
8 p. m.—Three-act comedy, "Not a Fast," presented by the KGO Players.

## TODAY'S BROADCASTING EVENTS

**CKAC—Montreal, Canada (430):** 7:30 p. m., Rex Battle and his Mount Royal Hotel Concert Orchestra, featuring Benjamin Scherzer, violinist; 8:30 p. m., La Presse specials; 10:30 p. m., Joseph C. Smith and his Mount Royal Hotel roof garden merry-makers.

**KDKA—Pittsburg, Pa. (326):** 5:30 p. m., dinner concert by the Westinghouse Band, T. J. Vastine, conductor; 6:45 p. m., last minute helps to teachers of adult and secondary classes, by Carman Cover Johnson, author of "How to Teach Adults"; 8 p. m., concert by the Westinghouse Band, T. J. Vastine, conductor.

**KFI—Los Angeles, Cal. (469):** 6:45 to 8 p. m., Hennessy's Paramount Players; 8 to 9 p. m., Los Feliz Trio; 9 to 10 p. m., program presented by Ida Mae Walls of the L. A. Musicians' booking office; 10 to 11 p. m., popular song program; 11 to 12 p. m., Ambassador Hotel Coconut Grove Orchestra.

**KGO—Oakland, Cal. (312):** 4 to 5:30 p. m., Concert Orchestra of the Hotel St. Francis, San Francisco, Vinton La Ferrara conducting; 8 p. m., Arlo Trio; Robert E. Saxe, tenor; Ray City Male Quartet; Margaret Avery, cellist; Clarence H. Oliver, baritone; Joyce Holloway Bartholomew, pianist; Carl Anderson, tenor; Josephine Holub, violinist; Carl Anderson and Clarence H. Oliver, tenor and baritone duet; George Madison, basso-profundo; Gwynfi Jones, tenor; 10 p. m. to 1 a. m., Henry Halstead's Hotel St. Francis Dance Orchestra, San Francisco.

**KGW—Portland, Ore. (492):** 10 p. m., music by George Olsen's Metropolitan Orchestra of the Hotel Portland.

**KHJ—Los Angeles, Cal. (395):** 6 to 6:30 p. m., Art Hickman's Concert Orchestra from the Biltmore Hotel; 6:45 to 7:30 p. m., Children's program presented by Prof. Walter Sylvester Hertog. Bedtime story by Uncle John. 8 to 10 p. m., Program presented through the courtesy of the Martin Music Co., arranged by J. Howard Johnson. 10 to 11 p. m., Art Hickman's dance orchestra from the Biltmore Hotel.

**KYW—Chicago, Ill. (536):** 7 to 7:30 p. m., dinner concert broadcast from the Congress Hotel; 7 to 7:15, Joe and Baby's orchestra, Louis XVI room; 7:15 to 7:20, Paul Whiteman's "Colleg-

ians" under the direction of A. Vincent Gauthier, Pompeian room; 7:20 to 7:30, Joe and Baby's orchestra, Louis XVI room; 8 to 8:58 p. m., musical program: Mrs. Susannah Pepper, soprano; Adele Pepper, alto; Homer Pepper, flute; Lucy Dougherty, contralto; 9 p. m., talk by Vivette Gorman of the Home Economics Dept., Peoples' Gas Co.; 9:05 p. m., Youth's Companion, including short stories, articles and humorous sketches.

**PWX—Havana, Cuba (400):** 8:30 p. m., artist program by Misses Adellina Ares, Berta Bellas, Elena Gil, Virginia Gonzales, Esther Casaus, Mr. Angel Power and the announcer, Mr. Remberto O'Farrell. First part: 1. piano solo by Miss Ares; 2. Hoffman histories, piano and mandolin; 3. Couplets, by Miss Gonzales with piano accompaniment by Miss Berta Bellas; 4. Cavalleria Rusticana, intermezzo, mandolin and piano, intermission of 10 minutes with a talk on Cuba. Second part: 1. Near You, song by Miss Casaus; 2. Sylvia, piano solo by Misses Ares and Gil; 3. couplets by Miss Virginia Gonzales; 4. The African duet, Jota, piano and mandolin. Intermission of 10 minutes with a talk on Cuba. Third part: 1. Give Me a Drink, song by Miss Casaus; 2. Rigoletto, quartet, piano and mandolin; 3. Absence, song by Miss Casaus; 4. The Wild Cat, Pasacalle, piano and mandolin.

**WZZ—Springfield, Mass. (337):** 6 p. m., Leo Reisman Hotel Lenox Ensemble. 6:30 p. m., Leo Reisman and his Hotel Brunswick Orchestra. 7:40 p. m., concert by the Hotel Kimball Trio, transmitted from the Hotel Kimball dining room; Jan Geerts, violinist and director; Angela Goddard Loneragan, cellist; Paul Lawrence, pianist. 9 p. m., to be announced.

**WCAE—Pittsburg, Pa. (462):** 6:30 p. m., dinner concert transmitted from the William Penn Hotel; 7:45 p. m., vocal selection by Lew Kennedy, baritone, representing the Jerome H. Remick Music Co. Miss Irene Setzer at the piano. 9:30 p. m., musical program.

**WCK—Detroit, Mich. (517):** 6 p. m., dinner concert, broadcast from Hotel Tuller.

**WDAF—Kansas City, Mo. (411):** 6 p. m., piano tuning-in number on the Duo-Art. Address—Speaker from the editorial staff of the Star. The Tell-Me-a-Story Lady. Music—Carl Nord-

berg's plantation players, Hotel Muehlebach.

**WEAF—New York, N. Y. (492):** 6 to 11 p. m., dinner music from the Rose room of the Hotel Waldorf-Astoria; instrumental quintette from the S. S. President Wilson, with Vittorio Toso, baritone; Nancy McCord, soprano; Vincent Lopez and orchestra from the roof garden of the Hotel Pennsylvania.

**WEBS—Chicago, Ill. (370):** 7:30 to 8:30 p. m., Virginia and Joe Ward, banjo duet; concert selections, Edgewater Beach Oriole Orchestra; 9:30 to 10:30 p. m., Grace Wilson, contralto; William H. Hunt, story teller; dance selections, Edgewater Beach Oriole Orchestra; 11:30 p. m. to 12:30 a. m., Langdon Brothers, steel guitar duet; Paul Locker, tenor; dance selections, Edgewater Beach Oriole Orchestra.

**WFAA—Dallas, Tex. (476):** 8:30 to 9:30 Netto male quartet in recital of standard favorites. 11 to 12 p. m.—Adolphus Hotel Orchestra, Lawrence Morrell directing, in Bambooland dancing floor on the roof of The Adolphus.

**WGY—Schenectady, N. Y. (380):** 9:30 a. m.—Dance music by Joseph A. Chickene and his Clover Club Orchestra, Hotel Ten Eyck, Albany, N. Y. Popular songs by Frank Davis, tenor.

**WHAS—Louisville, Ky. (400):** 4 to 5 p. m.—Selections by Dick Quinlan's Golden Derby Orchestra of Walnut Theater Orchestra; selection by Alamo Theater Orchestra; Harry S. Currie, conductor. 7:30 to 9 p. m.—Concert under the auspices of Farris A. Wilson. Special concert by remote control from Louisville's leading theaters and hotels.

**WIP—Philadelphia, Pa. (509):** 6:05 p. m.—Dinner music by the Kentucky Serenaders Orchestra under the direction of Johnny Hamp from the Ambassador Hotel, Atlantic City, N. J. Broadcast direct from the WIP control station on the Steel Pier, Atlantic City, N. J. 8 p. m.—Concert by Comfort's Philharmonic Orchestra, Roy B. Comfort, conductor. Soloist, Miss Ednah Cook Smith, contralto. Broadcast direct from the WIP control station on the Steel Pier, Atlantic City, N. J. 8:45 p. m.—"What the Wild Waves are Saying" picked up by a microphone placed amidst the breaking waves under the Steel Pier, Atlantic City, N. J. 9:50 p. m.—Concert by Vessella's Concert Band, Orestes Vessella, conductor. Soloist, Miss Della Sa-

## K S D NOTICE

There will be no evening program broadcast by Station KSD during the two week period beginning July 27 and ending Aug. 10. Market reports will be continued on regular schedule.

**WJZ—New York, N. Y. (455):** 7 p. m., Waldorf-Astoria Roof Orchestra. 8 p. m., Vincent de Soia, pianist; 8:30 p. m., "Making Radio Beautiful," by Dr. Alfred N. Goldsmith, chief broadcast engineer, Radio Corporation of America. 8:45 p. m., Alexis Kudach Ensemble. 10:45 p. m., Hotel Astor Dance Orchestra, direct from Roof Garden.

**WIS—Chicago, Ill. (345):** 6:45 to midnight, lullaby time for kiddies; National Farm barn dance; music.

**WMAQ—Chicago, Ill. (447.53):** 6:30 p. m., Hotel La Salle Orchestra. 8 p. m., band concert by the Chicago Daily News Band. 9 p. m., Weekly Balaban & Katz Chicago Theater revue!

**WMO—Memphis, Tenn. (560):** 8:30 p. m., program to be announced later.

**WOO—Davenport, Ia. (444):** 9 p. m., orchestra program. The Palmer School Radio Orchestra, Erwin Swindell, conductor; Ralph W. Fuller, baritone soloist.

**WFO—Washington, D. C. (469):** 6 p. m., children's hour by Peggy Albon. 7:45 p. m., Bible talk. 8 p. m., concert by the Germania Mannerchor under the direction of C. E. Christian. 8:30 p. m., song recital by Preston Hayes, tenor. 9 p. m., concert by the Army Music School Band.

**WSAF—Cincinnati, O. (509):** 8 p. m., Chimes concert. 9 p. m., Weekly News Review, Rutherford H. Cox; musical program. 9 p. m., Royal Garden Orchestra.

**WWJ—Detroit, Mich. (517):** 7:30 p. m., concert by Schmeiman's Concert Band broadcast from Belle Isle Park.

## TO BE

Time given is broadcasting station time. All Missions

under the direction of Church. Music between orchestra.

**FRIDAY, AUG. 8.**

4 to 5:30 p. m.—Concert, Hotel St. Francis, San Francisco, directed by La Ferrara conducting.

**SATURDAY, AUG. 9.**

4 to 5:30 p. m.—Concert, Hotel St. Francis, San Francisco, directed by La Ferrara conducting.  
8 p. m.—Arion Trio; Helen E. Haisel and John Haisel, contralto and basso; Ashcraft, tenor; Bas pianist; Miriam Selma Ashcraft, soprano; Arion Trio; Helen E. Haisel and John Haisel, contralto and basso; Margaret Avery, cellist; Gleason, basso.  
10 p. m. to 1 a. m.—Hotel St. Francis dance orchestra.

KGW—PORTLAND  
(492 METERS)

**TUESDAY, AUG. 5.**

10 p. m.—Concert.

**WEDNESDAY, AUG. 6.**

10 p. m.—Concert.

**THURSDAY, AUG. 7.**

12 p. m.—Dance program.

**FRIDAY, AUG. 8.**

10:15 p. m.—Studio program.

**SATURDAY, AUG. 9.**

11:30 p. m.—Hot Owl.

**SUNDAY, AUG. 10.**

8:00 p. m.—Services.

KHJ—LOS ANGELES  
(395 METERS)

**SUNDAY, AUG. 10.**

10 a. m.—Sermon from Rev. William C. Lee, Amanda Chapel, Calistoga.  
10:30 a. m.—Organ religious service from oldest Episcopal Church, organist, and Helma, pastor.

8 p. m.—Program presented by the courtesy of Paul Inc., the Nebbett Orchestra, the Nebbett, violinist; R. ner, soprano, and Ray pianist.

**MONDAY, AUG. 11.**

12:30 p. m.—Carl Allen vous ballroom orchestra Crystal Pier.

**TUESDAY, AUG. 12.**

8 p. m.—Program arranged by Mary Ch. anist.

9 p. m.—Program presented by String Orchestra, courtesy of the Blue.

10 p. m.—Art Hickman's orchestra from the Biltmore.

**WEDNESDAY, AUG. 13.**

9 to 10 p. m.—Program Graham, singer.

10 p. m.—Art Hickman's orchestra from the Biltmore.

**THURSDAY, AUG. 14.**

8 p. m.—Program presented by Wigly Trio, arranged bred.

10 to 11 p. m.—Art Hickman's orchestra from the Biltmore.

**FRIDAY, AUG. 15.**

8 p. m.—Program presented by Mr. and Mrs. Juan Inn, San arranged by Julia M.

9:30 to 10 p. m.—Fr Charlie Wellman, Jr. Hatch, pianist.

10 to 11 p. m.—Art Hickman's orchestra from the Biltmore.

**SATURDAY, AUG. 16.**

8 to 10 p. m.—Program Naval Reserve Band rector.

10 to 11 p. m.—Art Hickman's orchestra from the Biltmore.

**SUNDAY, AUG. 17.**

11 a. m.—Sunday morning broadcast from Episcopal Church, born Parkway, Chicago.

2:30 p. m.—Studio broadcast by the Chicago.

**TUESDAY, AUG. 18.**

7 to 7:30 p. m.—Dis-



## TO BE BROADCAST THIS COMING WEEK

Time given is local for each station. When it is 6 p. m. in St. Louis it is 8 p. m. Daylight Saving time, and 4 p. m. Pacific Time. No broadcasting station in this Guide is located in Mountain Time territory. Detroit, Buffalo, Cleveland and Pittsburg use Daylight Saving time. All Mississippi Valley stations and Atlanta, Ga., have Central Standard Time.

## OAKLAND, CAL.

(312 METERS)

SUNDAY, AUG. 3.

10 p. m.—Concert by KGO Little Symphony Orchestra and soloists, Carl Lehman conducting.

MONDAY, AUG. 4.

10 p. m.—Henry Halstead's Hotel St. Francis dance orchestra, San Francisco.

11 p. m.—Educational program, with numbers, courses in Agriculture, Spanish, Music, Economics and Literature.

TUESDAY, AUG. 5.

10 p. m.—Concert orchestra of the Hotel St. Francis, San Francisco, Vincent La Ferrera conducting.

11 p. m.—Part one, given by Boys' Band, Ocean Legion, Post No. 83, Merced, California.

12 p. m.—Arlon Trio: Ethel Darling, soprano; Charles N. Wilson, Newell, tenor; Ethel Darling, soprano; Charles N. Wilson, Newell, tenor; Ethel Darling, soprano; Charles N. Wilson, Newell, tenor.

WEDNESDAY, AUG. 6.

10 p. m.—Concert orchestra of the Hotel St. Francis, San Francisco, Vincent La Ferrera conducting.

THURSDAY, AUG. 7.

10 p. m.—Concert orchestra of the Hotel St. Francis, San Francisco, Vincent La Ferrera conducting.

11 p. m.—Three-act comedy, "Not So," presented by the KGO Players.

FRIDAY, AUG. 8.

10 p. m.—Concert orchestra of the Hotel St. Francis, San Francisco, Vincent La Ferrera conducting.

SATURDAY, AUG. 9.

10 p. m.—Concert orchestra of the Hotel St. Francis, San Francisco, Vincent La Ferrera conducting.

SUNDAY, AUG. 10.

10 p. m.—Services.

KHJ—LOS ANGELES, CAL.

(395 METERS)

SUNDAY, AUG. 3.

10 a. m.—Sermon from KHJ studio by Rev. William C. Iselt, pastor of the Amanda Chapel, Carthay Center.

11:30 a. m.—Organ recital and entire religious service from the First Methodist Episcopal Church; Arthur Blakesley, organist, and Rev. Elmer E. Helms, pastor.

1 p. m.—Program presented through the courtesy of Paul G. Hoffman Co., Inc.; the Neblett Concert Trio, Leona Neblett, violinist; Ruth May Schaffner, soprano, and Raymond McPeeters, pianist.

MONDAY, AUG. 4.

11:30 p. m.—Carl Allen and his Rendezvous ballroom orchestra from the Crystal Pier.

TUESDAY, AUG. 5.

1 p. m.—Program arranged through the courtesy of Mary Christine Albin, pianist.

3 p. m.—Program presenting the Philippine String Orchestra, through the courtesy of the Blue Bird Cafeteria.

10 p. m.—Art Hickman's dance orchestra from the Biltmore Hotel.

WEDNESDAY, AUG. 6.

10 to 10 p. m.—Program presenting Hatch Graham, singer.

10 p. m.—Art Hickman's dance orchestra from the Biltmore Hotel.

THURSDAY, AUG. 7.

10 to 11 p. m.—Art Hickman's dance orchestra from the Biltmore Hotel.

FRIDAY, AUG. 8.

10 p. m.—Program presented through the courtesy of Mr. and Mrs. J. L. Hunter, owners of the Raven at Laguna and San Juan Inn, San Juan Capistrano; arranged by Julia Kellar, harpist.

10 to 10 p. m.—Program presenting Charlie Wellman, jazz tenor, and Bill Hatch, pianist.

SATURDAY, AUG. 9.

10 to 10 p. m.—Program presenting the Naval Reserve Band; M. L. Brock, director.

SUNDAY, AUG. 10.

11 a. m.—Sunday morning service will be broadcast from St. Chrysostom's Episcopal Church, 1424 North Dearborn Parkway, Chicago. Dean F. F. Crawford, rector.

11:30 p. m.—Studio chapel service conducted by the Chicago Church Federation.

TUESDAY, AUG. 5.

7 to 7:30 p. m.—Dinner concert broadcast from the Congress Hotel; Joska de Babary's orchestra and Paul Whiteman's Collegians, under the direction of A. Vincent Gauthier.

WEDNESDAY, AUG. 6.

7:30 p. m.—Program from KYW's studio.

THURSDAY, AUG. 7.

7 p. m.—Dinner concert broadcast from the Congress Hotel; Joska de Babary's orchestra and Paul Whiteman's Collegians, under the direction of A. Vincent Gauthier.

FRIDAY, AUG. 8.

7:30 p. m.—Program from KYW's studio.

SATURDAY, AUG. 9.

7 p. m.—Dinner concert broadcast from the Congress Hotel; Joska de Babary's orchestra and Paul Whiteman's Collegians, under the direction of A. Vincent Gauthier.

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WCAE—PITTSBURG, PA.

(462 METERS)

SUNDAY, AUG. 3.

3:30 p. m.—People's Radio church services.

MONDAY, AUG. 4.

3:30 p. m.—Dinner concert broadcast from the William Penn Hotel.

TUESDAY, AUG. 5.

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8 p. m.—Program given by the Violin Quartet, assisted by the following performers: Cornet solos, Mr. P. W. Newcomer and Mason; euphonium solos, Mr. Wm. C. Dunn; cornet and euphonium duets, Messrs. Stewart and Dunn; clarinet duets, Messrs. Studebaker and

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# A "SHORT AERIAL" PORTABLE SET Three-Tube Regenerative Circuit of Moderate Cost

By R. W. Emerson Decker

Copyright, 1924 by Press Publishing Company (New York World.)  
THE average portable receiver designed these days are either reflex circuits or of the multi-tube type. The receiver here described is of the three-tube regenerative type and requires a short aerial for proper performance.

No claim is made that it is a new circuit, but if built properly it will perform under most conditions. There are many fans who are in need of a moderate cost receiver for that automobile trip, motor boat cruise or to take on the camping or seashore trip.

If you are stopping in a hotel room, you can use the radiator as a ground and can throw out a wire fifteen or twenty feet in length, which will be sufficient for the portable described by the writer. With this length of aerial, several broadcasting stations were brought in with loud speaker volume. In the camp, it is an easy task to string an aerial fifty feet or more in length to a tree or some equally suitable support. The ground can be had from a driven pipe or from another wire placed directly under the aerial to serve as a counterpoise. The latter method is the more satisfactory, as in many places a good ground is almost impossible to find.

## INCLUDES BATTERIES FOR DRY CELL TUBES.

While the receiver was not built to carry as a suitcase, the weight of it is not excessive. It weighs in the neighborhood of thirty pounds with "B" battery and "A" battery self contained. As the circuit is regenerative, only three tubes are required. In the receiver described and illustrated dry cell, UV199 tubes are used, but the 201A's or C301A's can be used if the storage battery on the automobile can be used. To use this battery for 199's it should be tapped off at the four-volt terminal. The 201A tube, of course, should be used with six volts. If you have an automobile which has the twelve-volt battery, the middle will have to be tapped off.

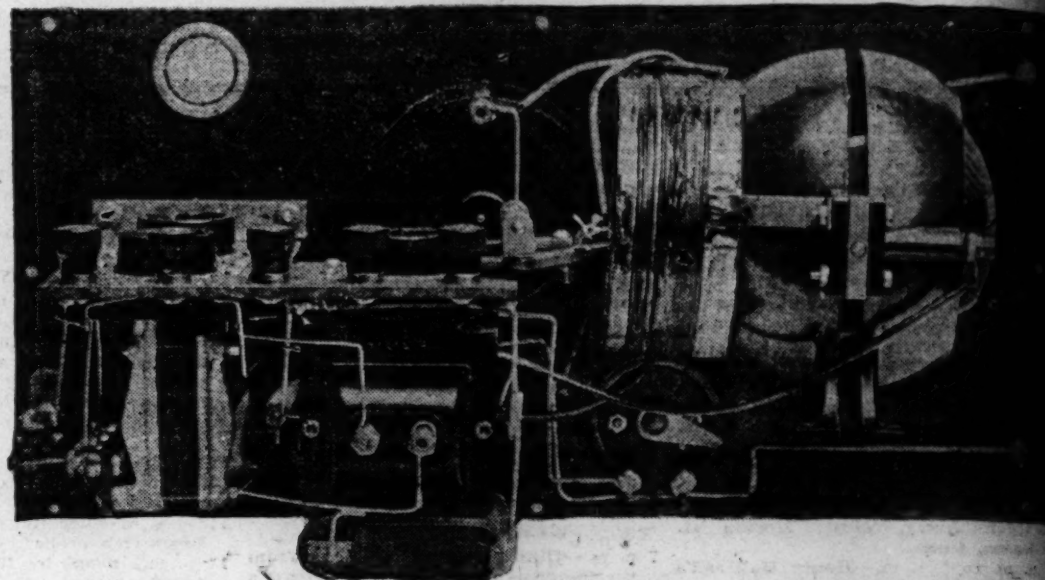
The receiver was designed by C. B. Poellnitz of White Plains who needed such a receiver for his vacation. As he did not wish to use the small flashlight batteries, which only have about forty hours of life with the UV199 tubes, the larger ordinary dry cell batteries are used. These will last on the average of about two months, but the life varies with the conditions of use.

After a great deal of thought and experimenting, the regenerative circuit was chosen with one tube to be used for head phones or three tubes for loud speaker operation. The size of the cabinet is about 14 by 12 inches, and is made of wood covered with artificial leather. Room is allowed for the A and B batteries in the bottom shelf, and as noticed in the photo, space is also found for the aerial and ground equipment in a rear compartment. The wire is wound upon a spool and is preferably of soft drawn copper of small gauge, for example No. 16 or 18. The unit itself is 7-14 inches, which accommodates panel of standard size. A carbon rheostat was used on the amplifying tubes, but this is optional with the experimenter. The large type of variometer is recommended for this circuit and should be easily obtained. The three dry cells should operate the receiver satisfactorily during the entire vacation, but caution should be taken to keep them from the dampness as much as possible. The hardware necessary for the case can be purchased at any suitcase specialty store.

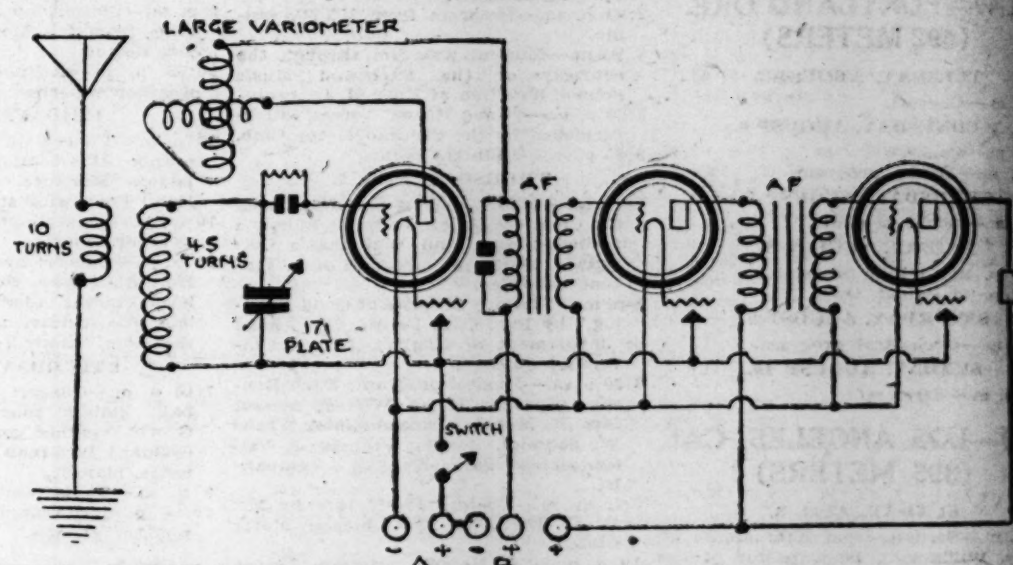
## PARTS REQUIRED FOR CONSTRUCTION.

The parts necessary to build the set are as follows:

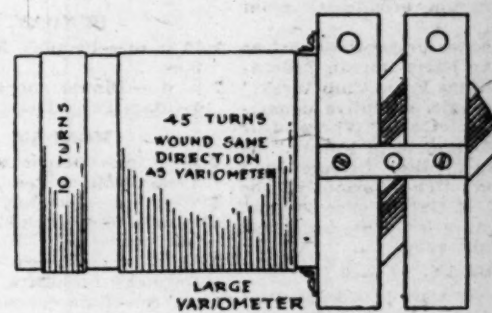
- 1 case, 14-12 by 12 inches, or necessary wood or composition board for building.
- 1 handle and hinges for top.
- 1 panel, 7-14 inches.
- 2 three inch dials.
- 1 snap switch for filaments.
- 2 rheostats.
- 1 jack, single circuit.
- 2 jacks, double circuit.
- 3 UV199 or C399 tubes.
- 3 sockets for tubes.
- 1 45-volt variable B battery.
- 3 dry cells.
- 1 large variometer.
- 1-4 lb. No. 24 D. S. C. wire.
- 1 tube four inches in diameter, four inches long.
- Hardware for doors and side pieces.



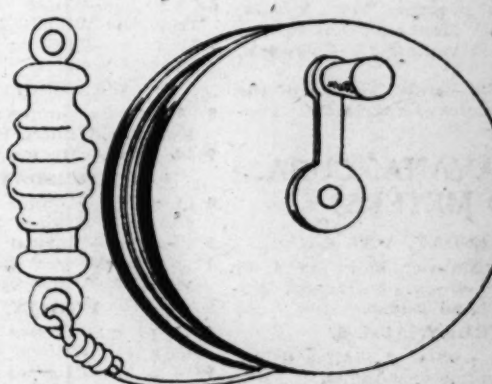
How Parts Are Arranged on Rear of Panel



Schematic Diagram—Jack for Detector is Not Shown Here



Coil and Variometer



Construction of Antenna Reel

## Necessary aerial and ground equipment.

- 1 17 plate condenser.
- 1 grid leak and .00025 condenser.
- 1 .001 fixed condenser for use across the phones.
- 2 amplifying transformers, one 4 to 1 and one 1 to 1 or less.

To build this receiver, take the coil as called for in the parts needed and wind ten turns of No. 24 D. S. C. wire for the primary. Forty-five turns should be wound on the same coil for the secondary, spaced one-half inch from the primary. These should all be wound carefully. The end of the tube should be placed on the end of the variometer and mounted securely there. It should be well to mention here that the coil should be wound in the same direction as the variometer for best operation. The condenser should be of the low loss type, as you will need all of the energy which is received, particularly if located some distance from a broadcasting station.

## CRITICAL WIRING POINTS TO WATCH.

There are several critical points on the wiring of this receiver and, unless these are carefully watched, the set may perform poorly. It seems that the primary, secondary and tickler must all be wired in such a manner that they are all in the same direction, mechanically, and electrically. The point to remember is to find out beforehand the direction of the winding on the variometer and wind the coil accordingly. Unless this is done, you may have to wire the set over again. Reverse the connections from the variometer, as there is some difference in volume if the correct way is discovered. A little experimenting will do no harm but may bring in the stations you have failed to hear before. By following the hook-up in the rear of the receiver will appear easy to even the beginner, as there is nothing out of the ordinary in the circuit.

In order to eliminate body capacity, which is present in some regenerative receivers, every wire should be as short as possible, especially the grid wires. These should be kept as far back from the panel as possible. Some of the fans have mounted the grid leak on the panel. This should never be done, as considerable hand capacity will be present.

Microphonic noises are eliminated to some little extent by mounting the tube sockets upon soft rubber or the ordinary sponge rubber. The noises are caused by the jarring of the elements of the tubes. Always mount the tube sockets upon this material in the portable receivers, as they are subject to many jars in transit or in the automobile.

This is not a trick circuit but an adaptation of the reliable three-circuit regenerative type. The length covered is sufficient to receive all of the present day broadcast stations. It will not receive the stations in the daytime but will do really good work under average conditions. In White Plains, which is a radio district, all of the locals were received as well as KDKA and WGY. Several of the Philadelphia stations were tuned in on the loud speaker also in the daytime.

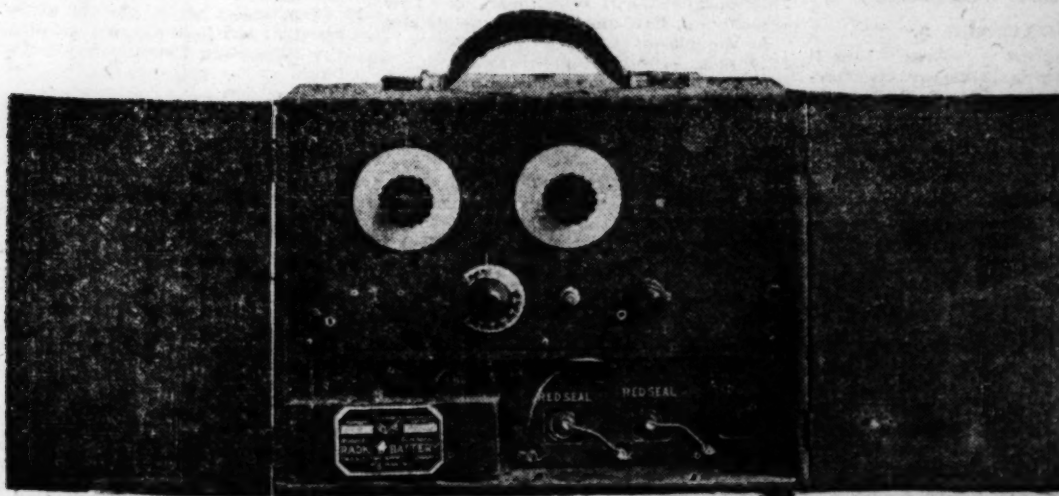
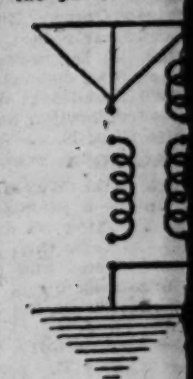


Photo of Completed Set—Doors Opened for Tuning

## HOW

Copyright, 1924 by Press Publishing Company (New York World.)  
WITHOUT consideration of the wiring, the wrong term is operative. This may be fatal, in the batteries may important that without any device. In this article, steps in the wiring, one to complete this example is the entire circuit as magazine is shown for an illustration necessarily recom desired.

When one starts black lines about the parts to be



have been placed will show these lines. Bus wiring, sity. However, thing to bear in possible. It is a wires that come the tubes to pre the B battery, tubes. If the apart the space of preventic is

Another point receiver is the soldering iron be hot and of sufficient metals. Be care To the writer's flux on the mark not can. any co have the same coo cool, appears like means that it is a joint again with that the iron is iron is hot enough color appears eve There is still



wiring of the grid the grid connect able, the grid on grid terminals, to the grid con variable condensa tionary plates of connected to the to ground. This may be reduced wire can be used sufficient size to for the filament, from almost any round and square entirely up to the square bus becom with. If possible that the soldering tion of the wire v The final sug check over the their sockets sh action. It is pos



## HOW TO WIRE YOUR SET

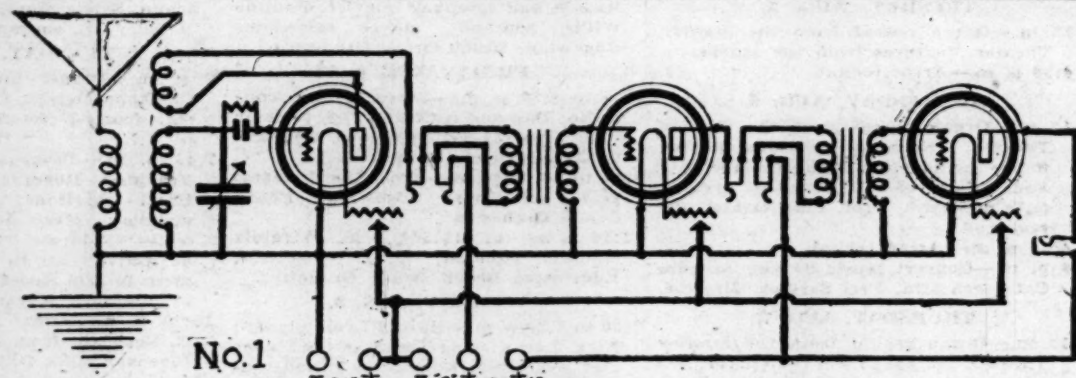
The Easiest and Safest  
Way to Follow a Diagram

By James Stewart.

WITHOUT question, the most important consideration in constructing a radio receiver is the wiring. The act of placing one wire on the wrong terminal is sufficient to render the receiver inoperative. Then again, this same wrong connection may be fatal, in that the tubes may be burned out, or the batteries may be run down. So you see that it is important that wiring diagrams be followed carefully without any deviation.

In this article to-day we will take up the various steps in the wiring of a radio receiver that will enable one to complete the wiring correctly. The circuit for this example is the ordinary three-circuit tuner. The entire circuit as you would see it in a newspaper or magazine is shown in No. 1. This circuit is used only for an illustration of the sequence of wiring and is not necessarily recommended for use unless the reader desires.

When one starts to follow the wiring diagram the black lines should be followed. These lines denote the parts to be wired together. After these wires



Complete Circuit of Standard Three-Circuit Tuner.

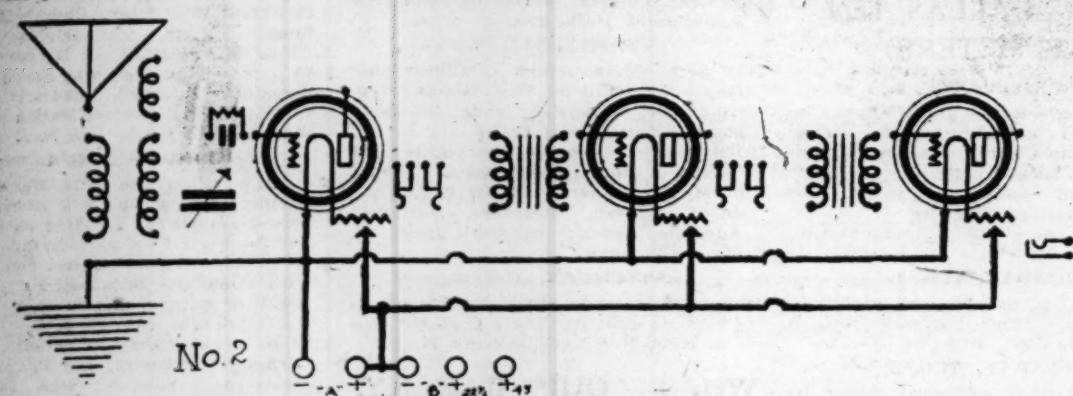
still, when checking the set, to make the same mistake again. So, to be on the safe side, have some one aside from the one who wired the set make the check. Now, the first step in wiring is the filament or lighting circuit. The lighting circuit is that part of the receiver that contains the conductors that carry the

now have finished the lighting circuit. To check up this wiring insert tubes in the sockets and connect the A battery. Adjust the rheostats to see if the tubes light.

Next we have step No. 2. Note that the lighting circuit, which has already been wired, is illustrated with double lines and the wiring we are now to do with the heavy black lines. The equipment to be next wired is associated with the first tube. It consists of the primary, secondary, tickler, secondary condenser and the grid condenser. One end of the primary is connected to ground and the other end to the antenna. The lower end of the secondary is connected to the tap on the negative filament lead that is brought to the ground post. The other end of the secondary is brought to one side of the grid condenser. Then the other side of the grid condenser is connected directly to the grid of the tube. The grid leak is shunted across the grid condenser.

Now connect the stationary plates of the variable condenser to the side of the secondary that is brought to the grid condenser. This practice is the same for all circuits. Connect the stationary plates always to the grid. Next connect the movable plates of the variable condenser, also to the negative lead from the filament that is connected to the ground post. Finally, in this step we have the wiring of the tickler coil. One side of this coil is connected to the plate of the first tube and the other side of the coil to the short spring on the jack. Step No. 2 is now completed.

Step No. 3 is next. All the wiring that we have already completed again is shown with the double lines. Our next operation is that of wiring the first audio frequency transformer and the B battery. Connect the positive 22½-volt terminal to the long spring on the jack. The two normals of the jack, which are the



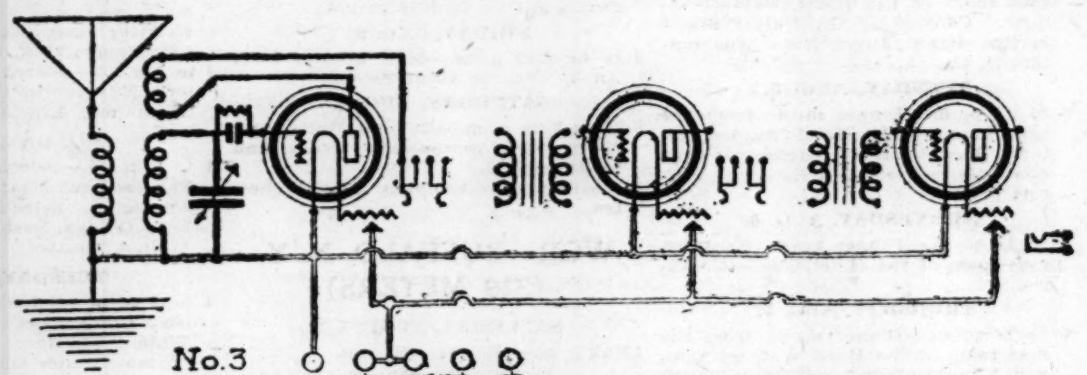
First Step in Wiring Process—The Filament Connections.

have been placed in and wired the next wiring step will show these same wires by means of the double lines. Bus wiring on a radio receiver is not a necessity. However, it makes for neat appearance. One thing to bear in mind is to have the leads as short as possible. It is also advisable to use spaghetti on the wires that connect the A battery to the filaments of the tubes to prevent any possible short circuits with the B battery, which would instantly burn out the tubes. If the reader spaces the wiring far enough apart the spaghetti will not be needed, but an ounce of prevention is worth a pound of cure.

Another point to consider when wiring a radio receiver is the soldering. It is important that the soldering iron be hot enough for the solder to flow easily and of sufficient heat for the proper fusing of the metals. Be careful of the soldering flux that is used. To the writer's knowledge there is only one soldering flux on the market that will do a good job and still not cause any corrosion. A good soldering joint will have the same color as white gold. If the joint, when cool, appears like platinum it is a cold joint, which means that it is a high resistance joint. Go over this joint again with the soldering iron, first making sure that the iron is hot enough. An indication that the iron is hot enough is seen when a flame in greenish color appears over the iron.

There is still another point to bear in mind, the

electricity from the storage battery to the rheostats and the filaments of the tubes. A storage battery is referred to as being the A battery or lighting battery. This battery has two terminals, which are marked with a plus and minus sign. The two terminals to which this battery is connected in the circuit are



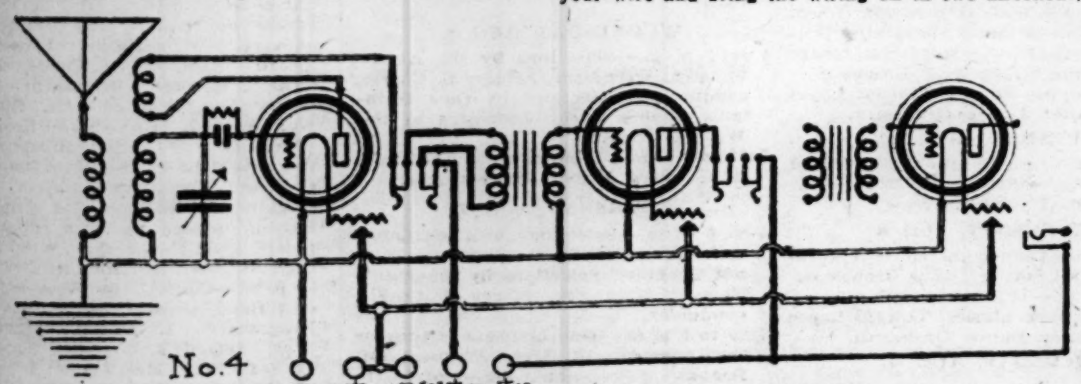
Second Step—Connections to Input and Output of Detector Tube.

shown at minus and plus A in diagram No. 2. Let us take the minus terminal first. A connection is brought from this terminal to the minus filament post on the tube socket. Tap this connection with your wire and bring the wiring off in two directions,

two centre connections, are brought to the primary of the transformer. One of the secondary terminals is connected directly to the grid of the second tube. The remaining terminal on the secondary is brought to the negative filament lead. The plate of the second tube is now connected to the short spring of the jack and the long spring of the jack is brought to the positive 15-volt terminal. A connection from this terminal is also brought to the frame of the last jack.

The final step, No. 5, completes the last part of the circuit. The wiring we have finished is shown with double lines. Connect the terminals of the second transformer to the normals of the second jack. Connect the G terminal on this transformer to the grid of the third tube and the remaining terminal to the negative side of the lighting circuit. Our circuit is now finished and if the reader has followed directions carefully it will work. It is good practice to wire all circuits in this manner, particularly if the reader is not familiar with the construction of radio apparatus. When we started off, the first operation was that of wiring the filament circuit. Then we wired up the tuning apparatus as shown in step No. 2. Next we hooked up the first transformer and then finally the last transformer and the B batteries. If one will follow these directions on all circuits that he desires to construct there will be no trouble experienced, and, in many cases, the chances of burning the tubes out due to wrong wiring will be eliminated.

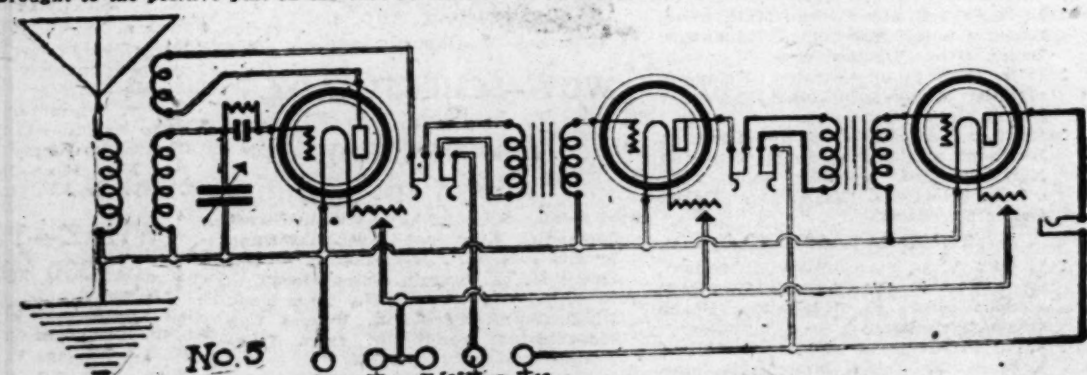
The reader can do the operations mentally or check off the wires as they are placed in the set, but the most reliable way would be to draw the circuits out into sections as we have shown here. It is true it will take more time, but it wipes out all risk. Ten minutes consumed in making the sketches will help save the tubes in your circuit or loss of time afterward trying to make the circuit work.



Third Step—Input and Output of First Stage of Amplification.

wiring of the grid connections. It is important that the grid connections be as short as possible. If possible, the grid condensers should be mounted on the grid terminals, which will eliminate the short wiring to the grid condenser. Then there is the matter of variable condensers: wherever it is feasible the stationary plates of the variable condensers should be connected to the grid circuit and the movable plates to ground. This is necessary so that hand capacity may be reduced to a minimum. Most any type of wire can be used to wire the set. But it must be of sufficient size to carry the current that is necessary for the filaments. Standard bus wire can be obtained from almost any radio store. It is made in two types, round and square. The choice of the type of wire is entirely up to the reader. Some radio fans prefer the square bus because they claim it is easier to work with. If possible, the bus wire should be flamed so that the soldering may be made easier. The insulation of the wire was taken up in the above paragraph. The final suggestion would be to have some one check over the wiring before the tubes are placed in their sockets and the batteries connected for operation. It is possible for one to make a mistake and

one to the ground post on the set and the other to the minus posts on the amplifier sockets. This completes the negative feed to the circuit. The terminal marked plus A is connected to the terminal marked minus B. A connection is brought from this terminal to the three rheostats. The other terminals on the rheostats are brought to the positive post on the tube sockets. We



Last Step—Input and Output of Second Stage of Amplification.

Shown Here

and ground equipment.

ser.

100025 condenser.

user for use across the phones.

transformers, one 4 to 1 and one 10

pelver, take the coil as called for and wind ten turns of No. 24 wire primary. Forty-five turns should be wound for the secondary, spaced the primary. These should all be the end of the tube should be placed variometer and mounted securely well to mention here that the ground in the same direction as the operation. The condenser should type, as you will need all of the wire, particularly if located some broadcasting station.

## WIRING POINTS TO WATCH.

critical points on the wiring of these are carefully watched, especially the grid wires. These are back from the panel as possible. Have mounted the grid leak on the end never be done, as considerable capacity is present. It is eliminated to some little extent by tube sockets upon soft rubber or rubber. The noises are caused by elements of the tubes. Always use upon this material in the port of are subject to many jars while automobile.

ck circuit but an adaption of the regenerative type. The wave efficient to receive all of the present ons. It will not receive the coast will do really good work under in White Plains, which is a poor the locals were received as well. Several of the Philadelphia stations on the loud speaker also in the



## RADIO PROGRAMS FOR THE WEEK—Continued

**TUESDAY, AUG. 5.**  
12 m.—Organ recital from the Stanley Theater; features from the studio.  
4:30 p. m.—Artist recital.

**WEDNESDAY, AUG. 6.**  
12 m.—Organ recital from the Stanley Theater. Noonday religious service under the auspices of the Philadelphia Federation of Churches. Arcadia Cafe orchestra, Prof. Feri Sarkoz, director.  
4:30 p. m.—Artist recital.  
8 p. m.—Concert music by the Arcadia Cafe orchestra, Feri Sarkoz, director.

**THURSDAY, AUG. 7.**  
12 m.—Organ recital from the Stanley Theater; features from the studio; Arcadia Cafe concert orchestra, Prof. Feri Sarkoz, director.  
4:30 p. m.—Dance music.

**FRIDAY, AUG. 8.**  
12 m.—Organ recital from the Stanley Theater; features from the studio; Arcadia Cafe concert orchestra, Feri Sarkoz, director.  
4:30 p. m.—Charmet Welch Minstrels, broadcast direct from the Million Dollar Pier.  
9:15 p. m.—Benson Chicago Orchestra, Don Bestor, director.  
9:30 p. m.—Charley Fry and his orchestra.  
10 p. m.—Arcadia Cafe concert orchestra with Feri Sarkoz, director; Benson Chicago Orchestra, and Charley Fry and his orchestra.

**WEAF—NEW YORK, N. Y. (492 METERS)**

**SUNDAY, AUG. 3.**  
3 to 4 p. m.—Sunday school hymn singing.  
4 to 5 p. m.—Interdenominational services; address by Rev. Isaac Ward, D. D., pastor of the Fourth Presbyterian Church, Washington, D. C.  
7:20 to 9:15 p. m.—Musical program direct from the Capitol Theater, New York City.  
9:15 to 10:15 p. m.—Organ recital from the studio of the Skinner Organ Co.

**MONDAY, AUG. 4.**  
6 to 10 p. m.—Dinner music from the rose room of the Hotel Waldorf-Astoria. Concert by the United States Marine Band, direct from Washington, D. C.

**TUESDAY, AUG. 5.**  
6 to 10 p. m.—Dinner music from the rose room of the Hotel Waldorf-Astoria; Pavilion Royal Orchestra; Gordon male quartet; Rita Rotermel, concert pianist.  
10 to 10 p. m.—Dinner music from the rose room of the Hotel Waldorf-Astoria.

**WEDNESDAY, AUG. 6.**  
6 to 10 p. m.—Dinner music from the rose room of the Hotel Waldorf-Astoria.

**THURSDAY, AUG. 7.**  
6 to 10 p. m.—Dinner music from the rose room of the Hotel Waldorf-Astoria; Vincent Lopez and his orchestra from the roof garden of the Hotel Pennsylvania.

**FRIDAY, AUG. 8.**  
6 to 10 p. m.—Dinner music from the rose room of the Hotel Waldorf-Astoria.

**SATURDAY, AUG. 9.**  
6 to 11 p. m.—Dinner music from the rose room of the Hotel Waldorf-Astoria; Vincent Lopez and his orchestra from the roof garden of the Hotel Pennsylvania.

**WEBB—CHICAGO, ILL. (370 METERS)**

**SUNDAY, AUG. 3.**  
7 to 9 p. m.—Artist Series program: John Patterson, tenor; Henry Sopkin, violinist; Dean Remick, pianist; concert selections, Edgewater Beach Orle Orchestra.

**TUESDAY, AUG. 5.**  
7:30 to 8:30 p. m.—Alice Hagemann, pianist; Rita McFawn, soprano; concert selections, Edgewater Beach Orle Orchestra.  
9:30 to 10:30 p. m.—Everett Johnson, cellist; dance selections, Edgewater Beach Orle Orchestra.

**WEDNESDAY, AUG. 6.**  
7:30 to 8:30 p. m.—George McPherson, tenor; concert selections, Edgewater Beach Orle Orchestra.  
9:30 to 10:30 p. m.—Jerome Feingold, violinist; dance selections, Edgewater Beach Orle Orchestra.

**THURSDAY, AUG. 7.**  
7:30 to 8:30 p. m.—George McPherson, tenor; concert selections, Edgewater Beach Orle Orchestra.

**FRIDAY, AUG. 8.**  
7:30 to 8:30 p. m.—George McPherson, tenor; concert selections, Edgewater Beach Orle Orchestra.

**SATURDAY, AUG. 9.**  
7:30 to 8:30 p. m.—George McPherson, tenor; concert selections, Edgewater Beach Orle Orchestra.

**SUNDAY, AUG. 3.**  
7:30 to 8:30 p. m.—Evelyn Moorhouse, contralto; Frank Pappia, accordion; concert selections, Edgewater Beach Orle Orchestra.

**THURSDAY, AUG. 7.**  
7:30 to 8:30 p. m.—Chicago Artists' Trio; vocal trio; dance selections, Edgewater Beach Orle Orchestra.

**FRIDAY, AUG. 8.**  
7:30 to 8:30 p. m.—Chicago Artists' Trio; vocal trio; dance selections, Edgewater Beach Orle Orchestra.

Russell and company, playlet; Pauline Willis, soprano; dance selections, Edgewater Beach Orle Orchestra.

**FRIDAY, AUG. 8.**  
7:30 to 8:30 p. m.—Grace Wilson, contralto; Dan and Nick and Ted, popular song hits; concert selections, Edgewater Beach Orle Orchestra.  
9:30 to 10:30 p. m.—Fred Agard, tenor; dance selections, Edgewater Beach Orle Orchestra.

**SATURDAY, AUG. 9.**  
7:30 to 8:30 p. m.—Virginia Mouser, violinist; dance selections, Edgewater Beach Orle Orchestra.

**SUNDAY, AUG. 3.**  
7:30 to 8:30 p. m.—Harold Lyon, pianist; Nick Lucas, songs with guitar; concert selections, Edgewater Beach Orle Orchestra.  
9:30 to 10:30 p. m.—Rosemary Hughes, soprano; William H. Hunt, Man With a Thousand Stories; dance selections, Orle Orchestra.

**WFAA—DALLAS, TEX. (476 METERS)**

**SUNDAY, AUG. 3.**  
6 to 7 p. m.—Radio Bible Class, Dr. William M. Anderson, pastor First Presbyterian Church, teacher; Bible study and Gospel song.  
9 to 9:30 p. m.—Sacred song recital, East Dallas Christian Church.  
9:30 to 11 p. m.—Jack A. Davis and his orchestra.

**MONDAY, AUG. 4.**  
8:30 to 9:30 p. m.—Musical recital by old fiddlers from Farmers' Branch, Tex., L. J. Cook directing.

**TUESDAY, AUG. 5.**  
8:30 to 9:30 p. m.—Musical recital by orchestra and singers from Second Avenue Baptist Church.  
11 to 12 p. m.—MacDowell Sisters in Hawaiian music program.

**THURSDAY, AUG. 7.**  
8:30 to 9:30 p. m.—"Pep Peddlers," an orchestra from Paris, Tex., Ray Martin directing.  
11 to 12 p. m.—Schubert Junior Choral Club and Glee Club in recital.

**FRIDAY, AUG. 8.**  
8:30 to 9:30 p. m.—Male quartet from Anna, Tex., in vocal recital.

**SATURDAY, AUG. 9.**  
8:30 to 9:30 p. m.—Eudoxia Butler and Nelva Boren in contralto voice and violin recital.  
11 to 12 p. m.—Adolphus Hotel orchestra.

**WGR—BUFFALO, N. Y. (319 METERS)**

**SATURDAY, AUGUST 2.**  
11:45 p. m.—Weather forecast.

**SUNDAY, AUG. 3.**  
3:00 p. m.—Vesper services.  
11:45 p. m.—Weather forecast.

**MONDAY, AUG. 4.**  
6:30 p. m.—Dinner music. Vincent Lopez Hotel Statler Dance Orchestra.  
7:30 p. m.—Digest of the day's news. Baseball scores.  
9:00-10 p. m.—Musical program given by the Kiwanis Quartet, under the direction of Mr. A. J. Eisman.  
11 p. m.—Supper music. Vincent Lopez Hotel Statler Dance Orchestra.

**TUESDAY, AUG. 5.**  
6:30 p. m.—Dinner music. Vincent Lopez Hotel Statler Dance Orchestra.  
11:45 p. m.—Weather forecast.

**WEDNESDAY, AUG. 6.**  
6:30 p. m.—Dinner music. Vincent Lopez Hotel Statler Dance Orchestra.  
9:00-10 p. m.—Musical program given by Mr. J. P. Quinn.  
11 p. m.—Supper music. Vincent Lopez Hotel Statler Dance Orchestra.

**THURSDAY, AUG. 7.**  
6:30 p. m.—Dinner music. Vincent Lopez Hotel Statler Dance Orchestra.  
11:45 p. m.—Weather forecast.

**FRIDAY, AUG. 8.**  
6:30 p. m.—Dinner music. Vincent Lopez Hotel Statler Dance Orchestra.  
9:00-10 p. m.—Musical program given by Mr. J. P. Quinn.  
11 p. m.—Supper music. Vincent Lopez Hotel Statler Dance Orchestra.

**SATURDAY, AUG. 9.**  
6:30 p. m.—Dinner music. Vincent Lopez Hotel Statler Dance Orchestra.  
11:45 p. m.—Weather forecast.

**WG—SCHENECTADY, N. Y. (380 METERS)**

**SUNDAY, AUG. 3.**  
9:30 a. m.—Service of the Albany Street Methodist Episcopal Church; sermon by the Rev. M. J. Overholser, pastor, Grace M. E. Church, Schenectady.  
7:30 p. m.—Concert by the New York Philharmonic Orchestra, Willem Van Hoogstraten, conductor, from Lewisohn Stadium, New York.

**MONDAY, AUG. 4.**  
7:45 p. m.—Program by Helen Mont, piano; Sylvia Mont, reader; Mrs. Perry Badgley Jr., soprano.

**TUESDAY, AUG. 5.**  
6 p. m.—Dinner music by Joseph A. Chickene and his Clover Club Orchestra, from Hotel Ten Eyck, Albany, N. Y.  
7:45 p. m.—Program by Mrs. Van Vechton Rogers, pianist; J. Alfred Hand, baritone; Herbert R. Vink, violinist; Mrs. John Faulkner, contralto. Address, "Continuous Threads of Activity as an Indispensable Element in Life Satisfaction and Service," by Vladimir Karapetoff.

**WEDNESDAY, AUG. 6.**  
10:15 p. m.—Organ recital by Stephen E. Boisclair, from Proctor's Harmanus Bleecker Hall, Albany, N. Y.

**THURSDAY, AUG. 7.**  
6:30 p. m.—Organ recital by Stephen E. Boisclair, from Proctor's Harmanus Bleecker Hall, Albany, N. Y.  
7:45 p. m.—Radio drama, "Silas, the Chose Boy," presented by the WGY Student Players; music by Musolf's Symphonion Orchestra.

**FRIDAY, AUG. 8.**  
7:30 p. m.—New York Philharmonic Orchestra, Willem Van Hoogstraten, conductor, broadcast from the Lewisohn Stadium, New York.  
10:30 p. m.—Program by pupils and faculty of Round Lake Summer School of Music, Francesco B. De Leone, pianist; William Strassner, baritone; Adelaide Hewitt, soprano; Jacob E. Hines, baritone.

**SATURDAY, AUG. 9.**  
9:30 p. m.—Dance music by Joseph A. Chickene and his Clover Club Orchestra, Hotel Ten Eyck, Albany, N. Y.

**WHAS—LOUISVILLE, KY. (400 METERS)**

**SUNDAY, AUG. 3.**  
9:57 a. m.—Organ music.  
10 a. m.—Church service under the auspices of the Fourth Avenue Presbyterian Church; the Rev. Dr. Charles W. Welch, pastor. William E. Conen, organist and choir director. Miss Esther Metz, soprano; Miss Virginia Shaffer Herick, contralto; Williams Layne Vick, tenor; P. A. Kelleher, baritone.  
4 to 5 p. m.—Sacred concert by St. Peter's Evangelical Church Choir; Geo. C. Cannon, director.

**MONDAY, AUG. 4.**  
4 to 5 p. m.—Selections by the Alamo Theater orchestra; Harry S. Currie, conductor. Selections by Dick Quinlan's Golden Derby Orchestra of the Walnut Theater.

**TUESDAY, AUG. 5.**  
4 to 5 p. m.—Selections by Dick Quinlan's Golden Derby Orchestra of the Walnut Theater. Selections by the Alamo Theater Orchestra; Harry S. Currie, conductor.  
7:30 to 9 p. m.—Concert by the Zur Schmiede, piano and director; Emil Raue, drums; Frank Gerber, saxophone; John Raible, saxophone; Roy Lawrence, trombone; Robert Meyers, trumpet; Douglas Yewell, banjo.

**WEDNESDAY, AUG. 6.**  
4 to 5 p. m.—Selections by the Alamo Theater Orchestra; Harry S. Currie, conductor. Selections by Dick Quinlan's Golden Derby Orchestra of the Walnut Theater.  
7:30 to 9 p. m.—Concert under the direction of Mrs. Jane Webster Murrell.

**THURSDAY, AUG. 7.**  
4 to 5 p. m.—Selections by Dick Quinlan's Golden Derby Orchestra of the Walnut Theater. Selections by the Alamo Theater Orchestra; Harry S. Currie, conductor.  
7:30 to 9 p. m.—One-hour concert under the auspices of Mrs. Pleasant M. Brooks. Four-minute digest of International Sunday-school lesson.

**FRIDAY, AUG. 8.**  
4 to 5 p. m.—Selections by the Alamo Theater orchestra; Harry S. Currie, conductor. Selections by Dick Quinlan's Golden Derby Orchestra of the Walnut Theater.  
7:30 to 9 p. m.—Concert under the direction of Miss Alice Monroe of Jeffersonville, Ind.

**SATURDAY, AUG. 9.**  
4 to 5 p. m.—Selections by Dick Quinlan's Golden Derby Orchestra of the Walnut Theater. Selections by the Alamo Theater Orchestra; Harry S. Currie, conductor.  
7:30 to 9 p. m.—Concert by the Sylvian Trio; Miss Fanny Elizabeth Stoll, violin; Miss Myri Christman, flute; Miss Evelyn Kaiser, piano.

**WHAS—TROY, N. Y. (380 METERS)**

**MONDAY, AUG. 4.**  
9 p. m.—Imperial Orchestra of Kingston, N. Y.; William V. Diamond, manager, with assisting soloists. Address on "Right Thinking," by Mrs. Harriet Bishop Waters Christie.

piano; Sylvia Mont, reader; Mrs. Perry Badgley Jr., soprano.

**TUESDAY, AUG. 5.**  
6 p. m.—Dinner music by Joseph A. Chickene and his Clover Club Orchestra, from Hotel Ten Eyck, Albany, N. Y.

**WEDNESDAY, AUG. 6.**  
7:45 p. m.—Program by Mrs. Van Vechton Rogers, pianist; J. Alfred Hand, baritone; Herbert R. Vink, violinist; Mrs. John Faulkner, contralto. Address, "Continuous Threads of Activity as an Indispensable Element in Life Satisfaction and Service," by Vladimir Karapetoff.

**THURSDAY, AUG. 7.**  
6:30 p. m.—Organ recital by Stephen E. Boisclair, from Proctor's Harmanus Bleecker Hall, Albany, N. Y.

**FRIDAY, AUG. 8.**  
5:30 p. m.—Adventure story. Evening, silent.

**SUNDAY, AUG. 3.**  
3:35 p. m.—Special Sunday afternoon concert by Comfort's Philharmonic Orchestra, Roy B. Comfort, conductor. Broadcast direct from WIP Control Station on the Steel Pier, Atlantic City, N. J.

**MONDAY, AUG. 4.**  
3 p. m.—"What the Wild Waves Are Saying," picked up by a microphone placed amidst the breaking waves under the Steel Pier, Atlantic City, N. J.

**TUESDAY, AUG. 5.**  
3:00 p. m.—Concert by Comfort's Philharmonic Orchestra, Roy B. Comfort, conductor. Soloists: Miss Dorothy Fox, soprano, and Mr. Charles Chas. Piccoli soloist. Program: 1. Overture, "Anacreon, Cerubini"; 2. Waltz, "Deutsche Herzen," Strauss; 3. Operetta, "Miss Dolly Dollars," Herbert; 4. Piccolo solo, "The Nightingale," Pryor; 5. Chinese Suite, "The Willow Plaid," Herbert; 6. Opera, "Parsifal," Wagner; 7. Soprano solo, "Lullaby," Jocelyn; 8. Overture, "The March of the Kings," Liszt. Broadcast direct from the WIP Control Station on the Steel Pier, Atlantic City, N. J.

**WEDNESDAY, AUG. 6.**  
3 p. m.—"What the Wild Waves Are Saying," picked up by a microphone placed amidst the breaking waves under the Steel Pier, Atlantic City, N. J.

**THURSDAY, AUG. 7.**  
3:30 p. m.—Concert by Comfort's Philharmonic Orchestra, Roy B. Comfort, conductor. Soloists: Miss Dorothy Fox, soprano, and Mr. Charles Chas. Piccoli soloist. Program: 1. Overture, "Anacreon, Cerubini"; 2. Waltz, "Deutsche Herzen," Strauss; 3. Operetta, "Miss Dolly Dollars," Herbert; 4. Piccolo solo, "The Nightingale," Pryor; 5. Chinese Suite, "The Willow Plaid," Herbert; 6. Opera, "Parsifal," Wagner; 7. Soprano solo, "Lullaby," Jocelyn; 8. Overture, "The March of the Kings," Liszt. Broadcast direct from the WIP Control Station on the Steel Pier, Atlantic City, N. J.

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**WEDNESDAY, AUG**



## RADIO PROGRAMS FOR THE WEEK—Continued

Continued

Address, "Right Thinking,"  
Christie.  
m—Program by Imperial Or-  
chestra.  
continued.KANSAS CITY, MO.  
(411 METERS)

TUESDAY, AUG. 5.

m—Classical program.

3:30 p. m.—Dance music.

SUNDAY, AUG. 10.

m—Services.

m—Church of Nazarene serv-  
ice.PHILADELPHIA, PA.  
(509 METERS)

SUNDAY, AUG. 3.

m—Special Sunday afternoon  
program by Comfort's Philhar-  
monic Orchestra, Roy B. Comfort,  
conductor.m—Program from WIP Control  
Station on the Steel Pier, Atlantic  
City, N. J.m—Evening service broadcast di-  
rect from Holy Trinity Church, Ritten-  
house Square, Philadelphia; Rev.  
W. Tomkins, D. D., rector.m—Sunday evening concert with  
soloists, broadcast direct from  
WIP Control Station on the Steel  
Pier, Atlantic City, N. J.

MONDAY, AUG. 4.

m—"What the Wild Waves Are  
Saying," picked up by a microphone  
amidst the breaking waves un-  
der the Steel Pier, Atlantic City, N. J.m—Visiting artists and chas-  
selebilities, broadcast direct from  
WIP Control Station on the Steel  
Pier, Atlantic City, N. J.m—Concert by Comfort's Philhar-  
monic Orchestra, Roy B. Comfort,  
conductor.m—Soloist, Miss Dorothy Fox,  
soprano; Mr. Charles Cinti, flutist.Program: 1. Overture, "Ma-  
maniello," Suppe; 2. Waltz, "Sphinx,"  
Poppy; 3. Overture, "The Kiss Waltz,"  
Ziehrer; 4. Flute Solo, "Andalouse,"  
Grieg; 5. Hungarian Dances, "One  
and Three," Brahms; 6. Echoes from  
the Opera, Tosti; 7. Soprano solo,  
"Serenade," Tosti; 8. March, "Mr.  
Black Man," Pryor. Broadcast direct  
from the WIP Control Station on the  
Steel Pier, Atlantic City, N. J.m—Dinner music by the Ken-  
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direction of Johnny Hamp.m—Concert by Comfort's Philhar-  
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maniello," Suppe; 2. Overture, "Prin-  
cess Pat," Herbert; 3. Soprano solo,  
"Kiss in the Dark," Herbert; 4. A  
Dream Picture of the Old South (Uncle  
Tom's Cabin), Lampe. Broadcast  
direct from the WIP Control Station  
on the Steel Pier, Atlantic City, N. J.

FRIDAY, AUG. 8.

m—Bernarr MacFadden's daily  
health suggestions and practical ex-  
ercises under the direction of Dr. Peter  
L. Lersch, personal representative of  
Mr. MacFadden. Broadcast direct  
from the WIP Control Station on the  
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## LOCAL BROADCASTING NEXT WEEK

## K S D—550 KILOCYCLES—546 METERS

No evening programs from the date of July 27 to August 10. Broadcasting  
on night schedules will be resumed Monday, August 11.There will be no interruption of the daylight service. All markets will be  
sent out on regular schedule, as follows:9:40 a. m.—Opening St. Louis future grain quotations. Liverpool first and  
second cables on wheat. Receipts and shipments of grain to and from St. Louis.  
New York cotton future prices. National Stock Yards, Ill., and Chicago opening  
hog markets. Estimated receipts of livestock at public stock yards.10:40 a. m.—St. Louis future grain prices. Livestock quotations from Na-  
tional Stock Yards, Ill. New York opening stock and bond report. Weather  
forecasts for Missouri, Illinois, Kentucky, Tennessee and Iowa. River fore-  
casts.11:40 a. m.—St. Louis future grain prices. Liverpool closing cables on wheat.  
St. Louis cash grain prices. Butter, egg and poultry report.12:40 p. m.—St. Louis future grain prices. St. Louis cash grain prices. Weather  
forecasts for Missouri, Illinois, Kentucky, Tennessee and Iowa. River fore-  
casts.1:40 p. m.—St. Louis closing future grain prices. St. Louis closing cash  
grain prices. Fruit and vegetable report.

2:40 p. m.—Livestock report from National Stock Yards, Ill.

4 p. m.—New York cotton future and spot prices. New York stock and bond  
closing market report. News bulletins. Department of Agriculture broadcasts.

## W C K—825 KILOCYCLES—360 METERS

MONDAY, AUG. 4, 12:00 P. M.—Songs by Meyer Levy.

2:15 P. M.—Baseball scores given every 15 minutes, beginning at 2:15 p. m. Pop-  
ular songs by Elmer McDonald.7:00 P. M.—Program given by the pupils of Miss Jeannette L. Krone, as-  
sisted by Miss Doris Loeffel (violinist), Miss Leon James and Mr. Roland Fal-  
kenhainer.

TUESDAY, AUG. 5, Noon—Songs by Elmer McDonald.

2:15 P. M.—Baseball scores given every 15 minutes, beginning at 2:15 p. m. Pop-  
ular songs by Elmer McDonald.

3:00 P. M.—"What's New," by Mary Allen. Songs by Arnold Price.

WEDNESDAY, AUG. 6, Noon—Songs by Elmer McDonald.

2:15 P. M.—Baseball scores given every 15 minutes.

3 P. M.—Piano recital by Marion Rice.

7:00 P. M.—Dance program by Ed. Boenig's Orchestra.

THURSDAY, AUG. 7, Noon—Songs by Elmer McDonald. Baseball scores ev-  
ery 15 minutes, beginning at 2:15 p. m.

3 P. M.—Program by Stix, Baer &amp; Fuller employees.

FRIDAY, AUG. 8, Noon—Songs by Elmer McDonald.

2:15 P. M.—Baseball scores given every 15 minutes beginning at 2:15.

3:00 P. M.—Piano recital by Irene Huth.

7:00 P. M.—Popular selections by Joe Gallagher. Program given by the Lead-  
er Four Quartet.

## W E B—1100 KILOCYCLES—273 METERS

MONDAY, AUG. 4, 8:00 P. M.—Program by Elmer McDonald, baritone; Arthur  
W. Neely, tenor; Miss Helen Brady, soprano.

9:15 to 11:00 P. M.—Chase Hotel Dance Orchestra. Willard Robison, director.

WEDNESDAY, AUG. 6, 8:00 P. M.—Program by Miss Estelle Hurd, soprano;  
Clifford L. Laird, violinist.9:15 and 11:00 P. M.—Program by Elmer McDonald, baritone; Chase Hotel  
Dance Orchestra. Willard Robison, director.FRIDAY, AUG. 8, 8:00 P. M.—Program by Le Paradis Orchestra. Jessie Hun-  
Thien.

9:15 and 11:00 P. M.—Chase Hotel Dance Orchestra. Willard Robison, director.

SATURDAY, AUG. 9, 11:00 P. M. to 1:00 A. M.—Musical program.

## W M A Y—1070 KILOCYCLES—280 METERS

SUNDAY, AUG. 3, 11:00 A. M.—Sermon, "The Rich Fool," by Rev. Owen W.  
Pratt, associate minister.7:30 P. M.—"Forty-five Minutes for Everybody." Address, "Living Abundant-  
ly," by Mrs. H. F. Bechtel.

## K F Q A—1150 KILOCYCLES—261 METERS

SUNDAY, 11 a. m.—Broadcasting the services of the Fourth Church of Christ,  
Scientist.

## TUESDAY, AUG. 5.

7:30 p. m.—Billy Wynne's Greenwich  
Village Inn orchestra, direct.8:15 p. m.—"Modern Youth—Where Are  
We Going?" Prof. Binder, New York  
University.

9:30 p. m.—Piedmont Trio.

THURSDAY, AUG. 7.

8:15 p. m.—"Side Lights on Mark  
Twain," Prof. Briggs, New York Uni-  
versity.9 p. m.—Al Reiser's Club Ferrari or-  
chestra.10 p. m.—Mrs. Lee Thayer, author of  
"I. E. D., "The Sinister Mark," etc.,  
"How to Find Clues and Plots for De-  
tective Stories."

FRIDAY, AUG. 8.

7:30 p. m.—Leonard Nelson's Knicker-  
bocker Grill orchestra.

8:15 p. m.—"School High Spot Contest."

WJZ—NEW YORK, N. Y.  
(455 METERS)

SUNDAY, AUG. 3.

9 a. m.—Children's hour: original stories  
by authors, music by the composers,  
comic stories by the originators of  
famous comedies.11 a. m.—West End Presbyterian Church  
services, direct; Rev. Charles L. Good-  
sell.

2:30 p. m.—Radio Bible class.

3:30 p. m.—Radio Bible class.

4:30 p. m.—Lucille Jones, soprano; Ce-  
cil Needham, tenor.7 p. m.—Nathan Abner's Hotel Pennsylv-  
ania orchestra.8 p. m.—"The Analysts Talk for Busi-  
ness Men," by the analyst of the New  
York Times.8:30 p. m.—New York Philharmonic Or-  
chestra, direct from Lewisohn Stadi-  
um; Fritz Reiner, director of Clap-  
perton Symphony Orchestra, guest  
conductor.

MONDAY, AUG. 4.

7 p. m.—Gotham Hotel Concert Orches-  
tra, direct.8:10 p. m.—"Round the World Flight,"  
Maj. L. D. Gardner.8:25 p. m.—New York Philharmonic Or-  
chestra; Fritz Reiner, director of the  
Cincinnati Symphony Orchestra, guest  
conductor.10:30 p. m.—Ernie Golden's Hotel Mc-  
Alpin roof orchestra.

TUESDAY, AUG. 5.

8:30 p. m.—New York University Sum-  
mer School concert, direct from the  
Memorial Church; Jackson Kin-  
ney, bass; cantate; Anna Pinto, harp.10:15 p. m.—Marie Cailt, cellist; Keith  
Harris, pianist.

McLeod, accompanist.

10:45 p. m.—Roger Wolfe's Biltmore  
Cascades Orchestra, direct.

WEDNESDAY, AUG. 6.

8:15 p. m.—Goldman Band concert, di-  
rect from Mall, Central Park; Edwin  
Franko Goldman, conductor; English  
program; Miriam Fine, soprano.8:30 p. m.—Sport talk by Fred Fletcher  
of the World.10:30 p. m.—Billy Wynne's Greenwich  
Village Inn Orchestra, direct.

THURSDAY, AUG. 7.

8:30 p. m.—Estey organ recital, direct  
from Estey studios.9:15 p. m.—U. S. Army night; Major-  
General Robert Lee Bullard, speaker;  
music by U. S. Army band.10:30 p. m.—Waldorf-Astoria dance or-  
chestra, direct from Waldorf-Astoria  
roof; Joseph Knecht, director.

FRIDAY, AUG. 8.

7 p. m.—Ernie Golden's McAlpin roof  
orchestra, direct.7:30 p. m.—Ernie Golden's McAlpin roof  
orchestra, direct.8:30 p. m.—New York Philharmonic Or-  
chestra, direct from Lewisohn Stadi-  
um; Willem Von Hoogstraten, direc-  
tor.10:30 p. m.—Harold Stern's Belleclair  
Towers Orchestra, direct.

SATURDAY, AUG. 9.

7 p. m.—Waldorf-Astoria roof orchestra,  
direct.8 p. m.—Ned Jacobs presents Alexis Ku-  
dich ensemble; Ruth Arden, soprano.10:30 p. m.—Hotel Astor dance orches-  
tra, direct from Hotel Astor roof gar-  
den.WLS—CHICAGO, ILL.  
(345 METERS)

SUNDAY, AUG. 3.

5:30 to 7 p. m.—Program by Church Ath-  
letic Association.

MONDAY, AUG. 4.

Noon—Music, weather report; agricul-  
tural news direct.

TUESDAY, AUG. 5.

Noon—Music; weather report.

5:30 p. m. to midnight—Music; Lullaby  
Time for Kiddies; an evening of  
Scottish music.

WEDNESDAY, AUG. 6.

Noon—Music, weather report.

5:30 to 10 p. m.—Music; Lullaby Time  
for Kiddies.

THURSDAY, AUG. 7.

Noon—Music, weather report.

5:30 to 11 p. m.—Military program.

FRIDAY, AUG. 8.

Noon—Music; weather report.

5:30 to 10 p. m.—Music; Lullaby Time  
for Kiddies.5:30 to 10 p. m.—Music; Lullaby Time  
for Kiddies.

SATURDAY, AUG. 9.

6:45 p. m. to midnight—Lullaby Time  
for Kiddies; National Farm barn  
dance.WLW—CINCINNATI, O.  
(423 METERS)

SUNDAY, AUG. 3.

9:30 a. m.—School conducted by the ed-  
itorial staff of Sunday school publica-  
tions of the Methodist Book Concern.11 a. m.—Services of the Church of the  
Covenant, Dr. Frank Stevenson, min-  
ister.9 p. m.—Concert by the Western and  
Southern Orchestra, directed by Er-  
win Bellstedt (under the auspices of  
the Western and Southern Life Insur-  
ance Co.).

MONDAY, AUG. 4.

8 p. m.—Grand opera from the Cincin-  
nati opera season at the zoo, Ralph  
Lyford, director.

TUESDAY, AUG. 5.

10 p. m.—Bernie Cummins' orchestra  
by direct line from Goodwins' Palm  
Garden.10:30 p. m.—Concert program arranged  
by Mme. Choporian of Dayton, O.;  
accompaniments by Charlotte Nied-  
hamer.11 p. m.—Bernie Cummins and his or-  
chestra.11:55 p. m.—Special dance concert by  
the Chubb-Steinberg orchestra.

WEDNESDAY, AUG. 6.

8 p. m.—Popular music presented sym-  
phonically by the Virginia Enter-  
tainers.</







## RADIO PROGRAMS FOR THE WEEK—Continued

**MONDAY, AUG. 4.**  
 6 p. m.—Popular half hour.  
 6:30 p. m.—Dinner program by RKO's Royal Orchestra.  
 9 p. m.—Dance program by Bob Lee's Imperial Jazz Band.

**TUESDAY, AUG. 5.**  
 6 p. m.—Dinner program by GE's Radio Orchestra.  
 9 p. m.—Program under auspices of Hannon-Van Brunt Co.  
**THURSDAY, AUG. 7.**  
 6 p. m.—Centerville, Ia.  
 9 p. m.—Centerville, Ia.

**FRIDAY, AUG. 8.**  
 6 p. m.—Story hour, conducted by Doris Claire Secord.  
 9 p. m.—Dinner program by RKO's Royal Orchestra.  
 9 p. m.—Program by First Christian Church orchestra; Joseph F. Woolery Jr., director.

**SATURDAY, AUG. 9.**  
 6 p. m.—Popular half hour.  
 6:30 p. m.—Dinner program by Baxter's orchestra.  
 9 p. m.—Program under auspices of Omaha Printing Co.

**WOC—DAVENPORT, IOWA (484 METERS)**

**SUNDAY, AUG. 3.**  
 9 a. m.—Sacred chimes concert.  
 1:30 p. m.—Orchestra concert: Sacred and classical numbers by the Palmer School Radio Orchestra; Erwin Swindell, conductor.  
 3 p. m.—Church service: Rev. P. B. Gray, pastor Methodist Church, Wheatland, Ia. Vocal solos by Richard Atwell, tenor.  
 5:30 p. m.—Musical program: The Palmer School Radio Orchestra; Erwin Swindell, conductor. Assisted by Mrs. R. D. Hawkins, soprano; Emil Hass, reader.

**MONDAY, AUG. 4.**  
 5 p. m.—Musical program: Program of popular numbers by orchestra from Dixon, Ill.  
 10 p. m.—Musical program: Recital by Jas. R. Houghton, baritone, and Helen Gobble-Henigbaum, pianiste.

**WEDNESDAY, AUG. 6.**  
 9 p. m.—Organ recital from the E. J. Palmer residence; Erwin Swindell, organist; Chas. R. Hall, tenor.

**THURSDAY, AUG. 7.**  
 9 p. m.—Orchestra program: The Palmer School Radio Orchestra; Erwin Swindell, conductor; Ralph W. Fuller, baritone soloist.

**FRIDAY, AUG. 8.**  
 8 p. m.—Musical program. Program by group of artists from Galva, Ill.  
 9 p. m.—Weekly tourists' road bulletin, as compiled by Touring Bureau, Davenport Chamber of Commerce.

**SATURDAY, AUG. 9.**  
 9 p. m.—Orchestra program: The Palmer School Radio Orchestra; Erwin Swindell, conductor; Ralph W. Fuller, baritone soloist.

**WOS—JEFFERSON CITY, MO. (440.9 METERS)**

**SUNDAY, AUG. 3.**  
 7:30 p. m.—Union open-air religious services broadcast from the Capitol lawn. Music by the Missouri State Prison Concert Band.

**MONDAY, AUG. 4.**  
 8 p. m.—Address: "Arrow Rock State Tavern," by Mrs. W. W. Graves of Jefferson City.  
 8:15 p. m.—Talks: "Parasites to Fight Parasites," and "Your Extension Service," by Arthur T. Nelson, State Marketing Commissioner.

8:30 p. m.—Program by the Missouri State Prison Concert Band, and supplementary program of piano solos by Harry M. Snodgrass. Original poem, "Midsummer in the Ozarks," Clyde Edwin Tuck.

**WEDNESDAY, AUG. 6.**  
 8 p. m.—Address: "Inoculation for Legumes," by William A. Albrecht, associate professor of soils, Missouri College of Agriculture.

8:15 p. m.—Address: "The State Fair Egg Show," (conducted by the Marketing Bureau), by D. C. Rogers.

8:30 p. m.—Musical program of old-time barn dance tunes by trio under the direction of D. B. Jones of Stephens, Mo.  
**FRIDAY, AUG. 8.**  
 8 p. m.—Address: "Fighting the Headlights for the Farmer," by E. A. Logan, Missouri Agricultural Statistician for the U. S. Department of Agriculture and the State Board of Agriculture. Band concert by the Missouri Pacific Boosters' Band of Sedalia, Mo. Address by L. E. Slate, publicity director.

**WRC—WASHINGTON, D. C. (469 METERS)**

**TUESDAY, AUG. 5.**  
 7:00 p. m.—Program, violin selections.  
 8:00 p. m.—Political talk.  
 8:15 p. m.—Trio.

**WSAI—CINCINNATI, O. (309 METERS)**

**MONDAY, AUG. 4.**  
 10 p. m.—Jack Keefe's orchestra.

**TUESDAY, AUG. 5.**  
 7 p. m.—Hotel Gibson orchestra, Robert M. Viscosi, director.  
 7:30 p. m.—Chime concert.  
 7:45 p. m.—Readings, Mrs. Ethel Knapp Behrman.  
 8 p. m.—Hotel Gibson orchestra.  
 9 p. m.—Musical program.

**THURSDAY, AUG. 7.**  
 10 p. m.—Tenor solo, Ed Smith; readings, Mrs. Blanche Willis Thompson; violin solo, Edythe Tolken; soprano solo, Florence Braun.

**SATURDAY, AUG. 9.**  
 8:15 p. m.—Mixed quartet: soprano, Lydia Mayer; contralto, Edna Innes; tenor, Edward Olds; bass, Robert Ferguson; piano, Miss Anne Cockburn.  
 9 p. m.—Weekly news review, Ruthford H. Cox.  
 9:20 p. m.—Soprano solos, Helen Jane Upperman.  
 12 p. m.—Midnight popular program, Freda Sanker's Ragmuffins.

**WSB—ATLANTA, GA. (429 METERS)**

**SUNDAY, AUGUST 3.**  
 11 a. m.—First Presbyterian Church service.  
 5:00 to 6:00 p. m.—Center Street Methodist Church service.  
 7:30 p. m.—Wesley Memorial Church service.

**TUESDAY, AUGUST 5.**  
 8 and 10:45 p. m.—Orchestra programs.

**WEDNESDAY, AUGUST 6.**  
 10:45 p. m.—Jubilee, Carson's Backwoods Band.

**THURSDAY, AUGUST 7.**  
 8:00 p. m.—Organ program.  
 10:45 p. m.—Wagner's Orchestra.

**FRIDAY, AUGUST 8.**  
 8:00-9:00 p. m.—Program by quartet.  
 10:45 p. m.—Radio program.

**SATURDAY, AUGUST 9.**  
 8:00-9:00 p. m.—Variety revue.  
 10:45 p. m.—"Hired Help" program.

**SUNDAY, AUGUST 10.**  
 7:30 p. m.—Services.

**WTAS—ELGIN, ILLINOIS (286 METERS)**

**MONDAY, AUG. 4.**  
 7:15 p. m.—Alan Hooker, playing Kimball organ. Note: WTAS Monday evening programs are relayed from Kimball Hall, Chicago, over 55-mile leased wire to Elgin, Ill.  
 9 p. m.—William Anderson and Orpha Twingstrand, playing Hawaiian numbers; Walter Donovan, Carmi Romano and others.

10 p. m.—Alan Hooker playing request numbers.

**TUESDAY, AUG. 5.**  
 8:30 p. m.—Popular dance numbers by the Trianon Orchestra; request numbers by the orchestra and Alan Hooker, official pianist, interpolated selections.

**WEDNESDAY, AUG. 6.**  
 8:30 p. m.—Trianon Orchestra.

**THURSDAY, AUG. 7.**  
 8:30 p. m.—Trianon Orchestra.

**FRIDAY, AUG. 8.**  
 8:30 p. m.—Trianon Orchestra.

**SATURDAY, AUG. 9.**  
 8:30 p. m.—Trianon Orchestra.

**WWJ—DETROIT, MICH. (517 METERS)**

**SUNDAY, AUG. 3.**  
 11 a. m.—Services at St. Paul's Episcopal Cathedral, broadcast from the cathedral.

2 p. m.—The Detroit News Orchestra.  
 3 p. m.—Concert by Schmemman's Concert Band broadcast from Belle Isle Park.

**MONDAY, AUG. 4.**  
 7 p. m.—The Detroit News Orchestra.  
 7:30 p. m.—Concert by Schmemman's Concert Band broadcast from Belle Isle Park.

**TUESDAY, AUG. 5.**  
 7 p. m.—The Detroit News Orchestra.  
 7:30 p. m.—Concert by Schmemman's Concert Band broadcast from Belle Isle Park.

**WEDNESDAY, AUG. 6.**  
 7 p. m.—The Detroit News Orchestra.  
 7:30 p. m.—Concert by Schmemman's Concert Band broadcast from Belle Isle Park.

**THURSDAY, AUG. 7.**  
 7 p. m.—The Detroit News Orchestra.  
 7:30 p. m.—Concert by Schmemman's Concert Band broadcast from Belle Isle Park.

10 p. m.—Dance music by Jean Goldkette's orchestra, broadcast from the Graystone ballroom.

**FRIDAY, AUG. 8.**  
 7 p. m.—The Detroit News Orchestra.  
 7:30 p. m.—Concert by Schmemman's Concert Band broadcast from Belle Isle Park.

**SATURDAY, AUG. 9.**  
 7:30 p. m.—Concert by Schmemman's Concert Band broadcast from Belle Isle Park.

## LOUD SPEAKER TYPES

In its present usage, the term loud speaker is applied generally to electrophonic devices employing some means of distributing sound over an area. It is possible to divide loud speakers into three separate and distinct classes however:

1. Those which make use of existing telephone receivers by means of rubber connectors or clamps to attach a pair of phones to a horn.

2. The type of speaker that uses a single telephone receiver equipped with a cap to permit its being fastened to the small opening of a horn. In this class can be included the numerous loud speakers that incorporate a telephone of some sort in the base of the horn.

3. The loud speakers constructed on the solenoid principle, in which the currents act on a coil placed in the field of a strongly energized magnet.

The first and second types of loud speakers are excellent in their own limited way; however, there are a few serious faults that entirely prevent them from being considered as first class loud speakers. One is that they cannot be used on very strong signals without causing the diaphragm to strike the pole pieces of the small fixed magnet and produce a rattle in the loud speaker.

Another serious limitation to this class of loud speakers is that when high B battery voltage such as are common in most audio frequency amplifiers, are used, a DC current flows through the windings of the phone and exerts a strong downward pull on the diaphragm. This causes the metal diaphragm to be drawn out of shape and will cause the loud speaker to have a hollow or tinny sound.

The vibration of the metal diaphragm toward and away from the poles of the magnet in the unit will cause the air gap to vary. This, in turn, will cause the impedance (alternating current resistance) of the loud speaker to vary and has a great deal to do with the

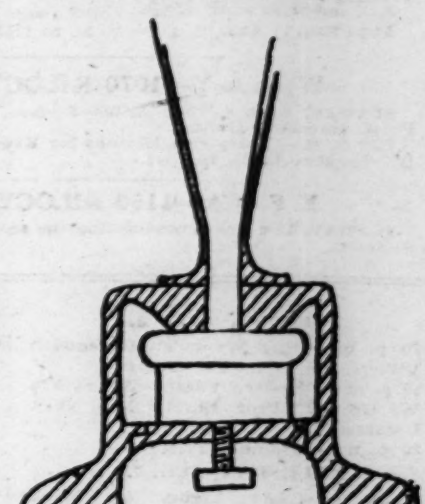


FIG. 2

proper operation of the receiving set itself on weak or distant signals. The impedance of the loud speaker has its function in the tuning and balancing of the receiver, and if it is fluctuating, will have its effect in upsetting the accurate tuning of a receiver.

In the third type of loud speaker this factor need not be considered, as the air gap is constant and fluctuations of current through the windings of the loud speaker do not change the impedance of the circuit. The DC current from the B battery does not act on the diaphragm of such loud speakers and less distortion may be expected.

At the same time the third type of reproducer will not rattle or "freeze" on extremely loud signals, yet will give a greater amount of sound on extremely weak or faint signals. A mica diaphragm, one of the most perfect substances known for sound reproduction, is used, whereas in most of the other classes of speakers a metal diaphragm must be used resulting in a greatly inferior tone quality.

The particular shape of the horn has

a great deal to do with the performance of any loud speaker. From a theoretical point of view a straight horn is better than a curved one, and the amount of increase in the size of the horn is proportion to its length must be very carefully calculated for best results. When this is once obtained the horn can be curved into almost any shape without destroying its amplifying value or tonal qualities.

The material of which the horn is composed is very important in regard to the quality of music that will be received, and with the faithfulness with which the sounds are reproduced. A horn made of wood or paper makes gives a purer tone than a metal one, which is liable to produce brassy tones or vibrations. Horns made of some inert material which will not vibrate or absorb the sound waves, have been found to be the most satisfactory for loud speaker use.

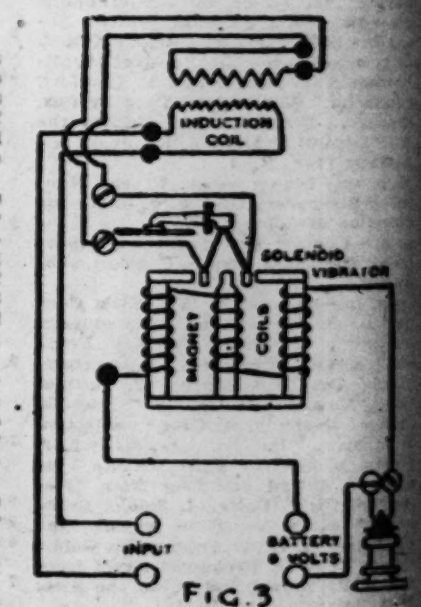


FIG. 3

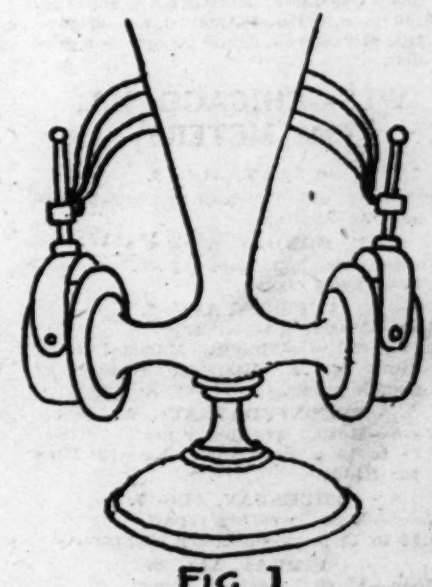


FIG. 1

## UV-199 Tubes Are Efficient if Properly Used

MANY readers have failed to use the UV-199 tubes because they are under the impression that they are more or less inefficient. However, this is not true. If the dry cell tube is used properly it will work efficiently and give excellent results, the only difference being that the volume of the receiver will be cut about 20 per cent, in comparison with the five-volt tube.

Another point to remember is that the UV-199 is critical in design and unless the instruments used with it properly match the tube good results will not be obtained. If one is desirous of obtaining considerable volume, I would advise that the audio-frequency amplifier be connected in a push-pull arrangement. This type of amplifier works very efficiently with the small tubes and it gives very good reproduction.

The dry-cell tubes are also very efficient as radio-frequency amplifiers, because of their low internal capacity. With a little patience and careful designing there is no reason why one can't get the most out of these small tubes. If a straight audio-frequency amplifier is being used with more than 45 volts on the plate the use of a C battery is advised. The voltage for the C battery is found by trying various negative potentials on the grids of the amplifier tubes.

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